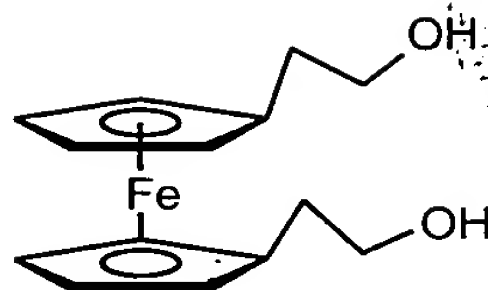
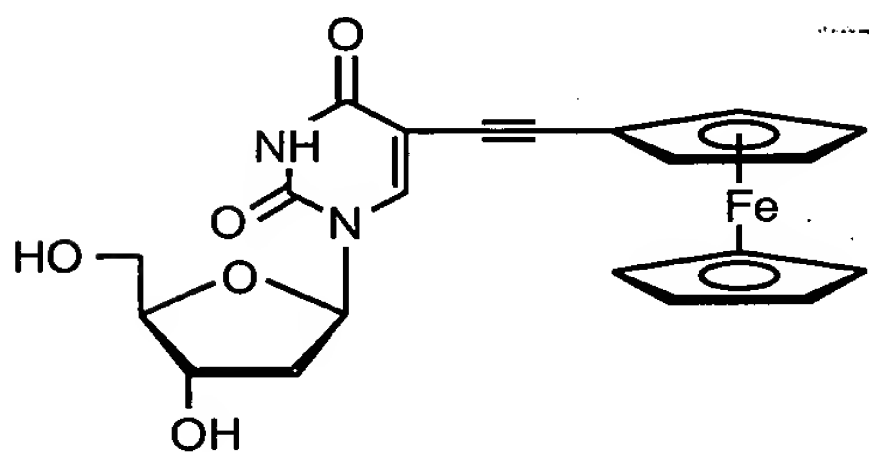
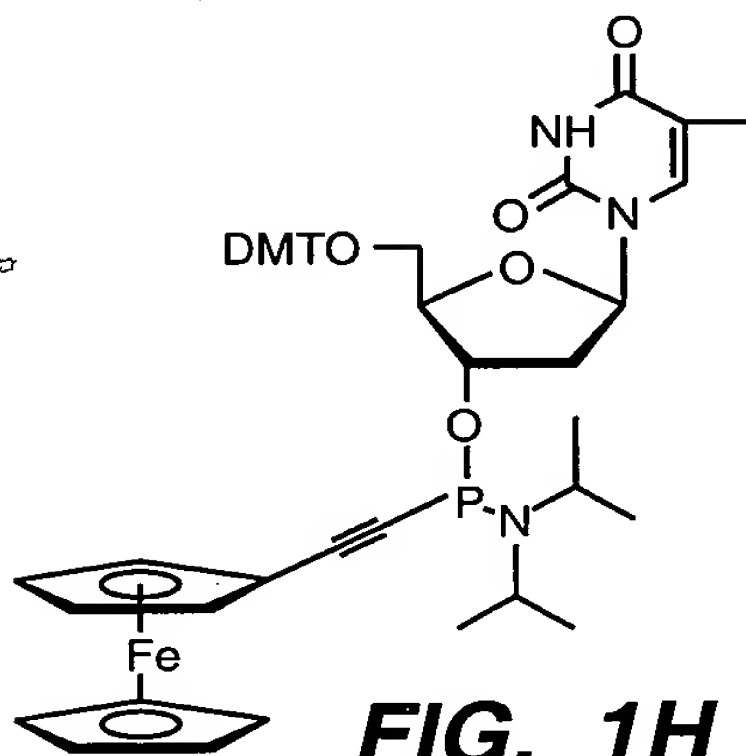
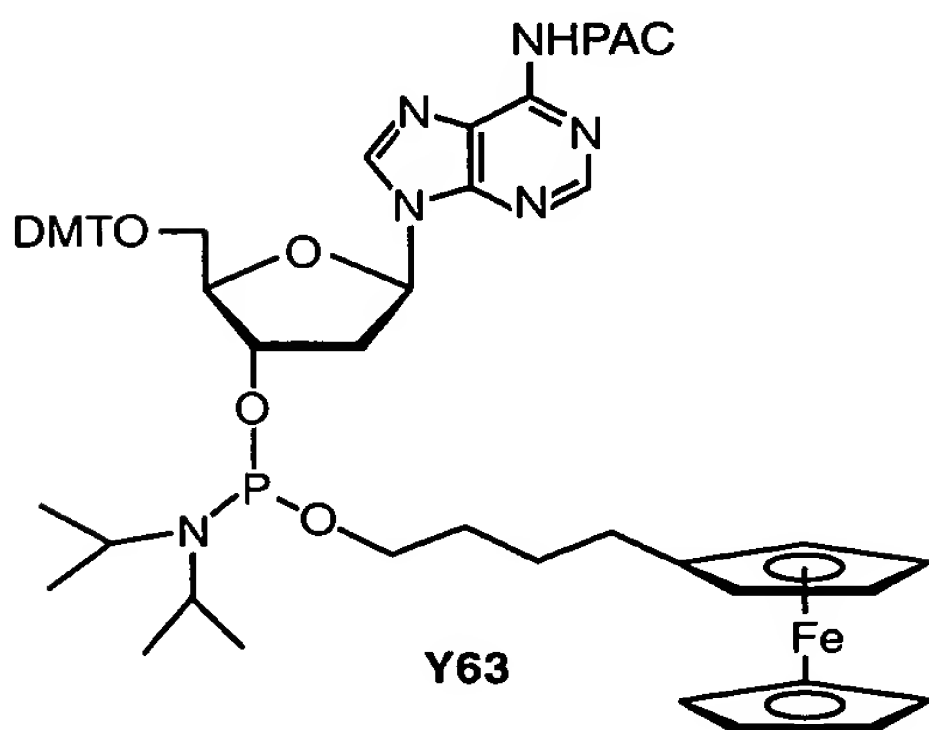
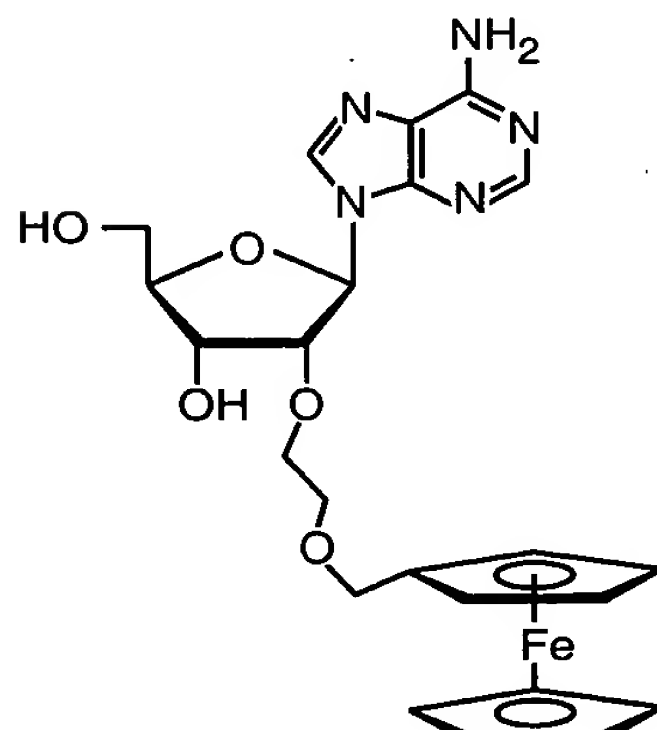
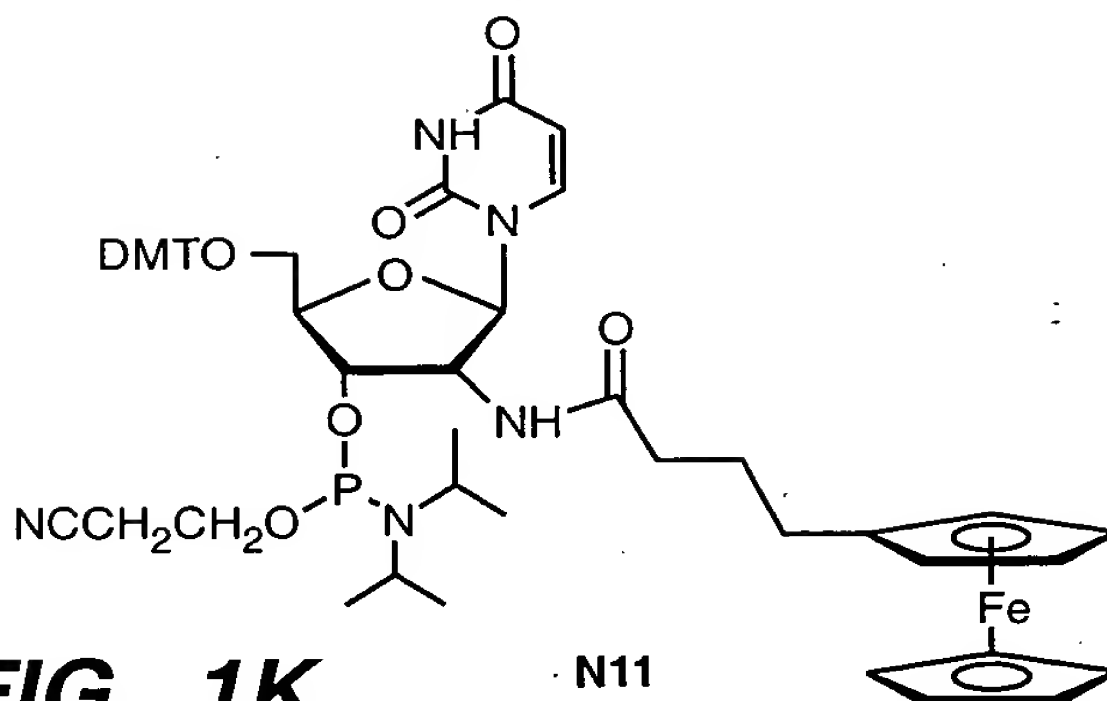
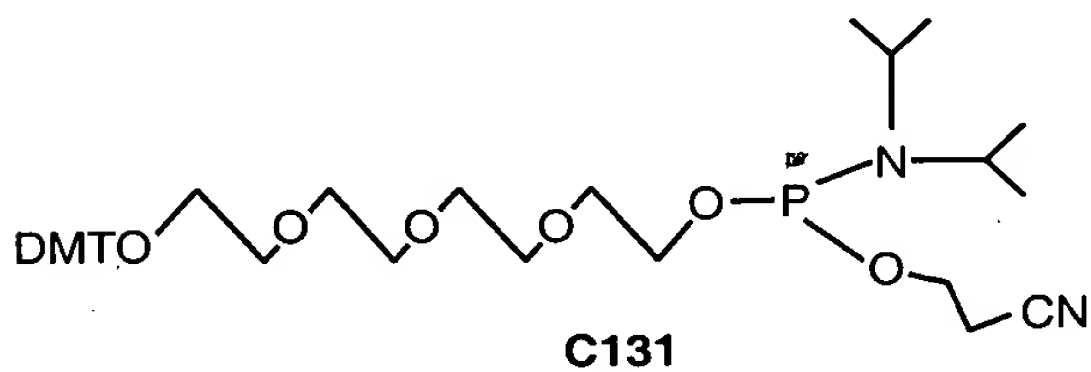
**FIG. 1E****FIG. 1F****FIG. 1G****FIG. 1H****FIG. 1I****FIG. 1J**

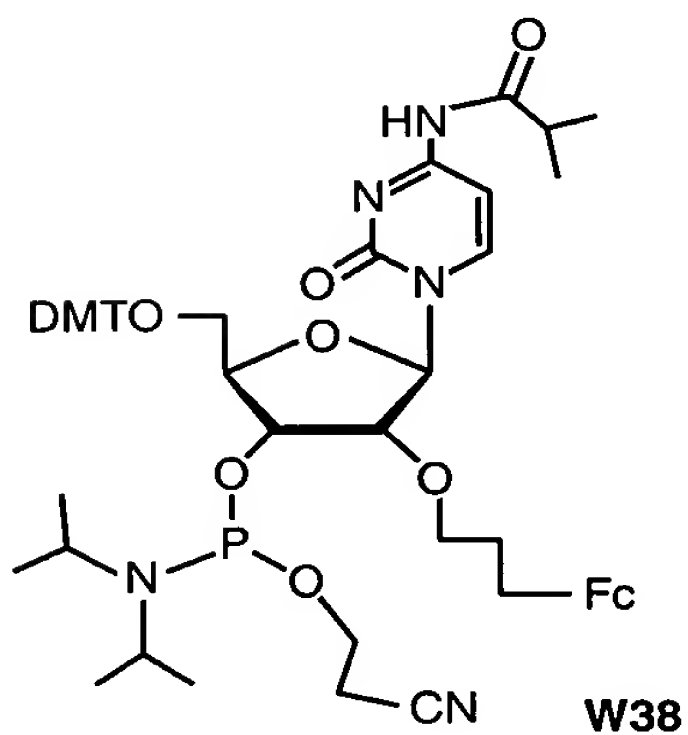
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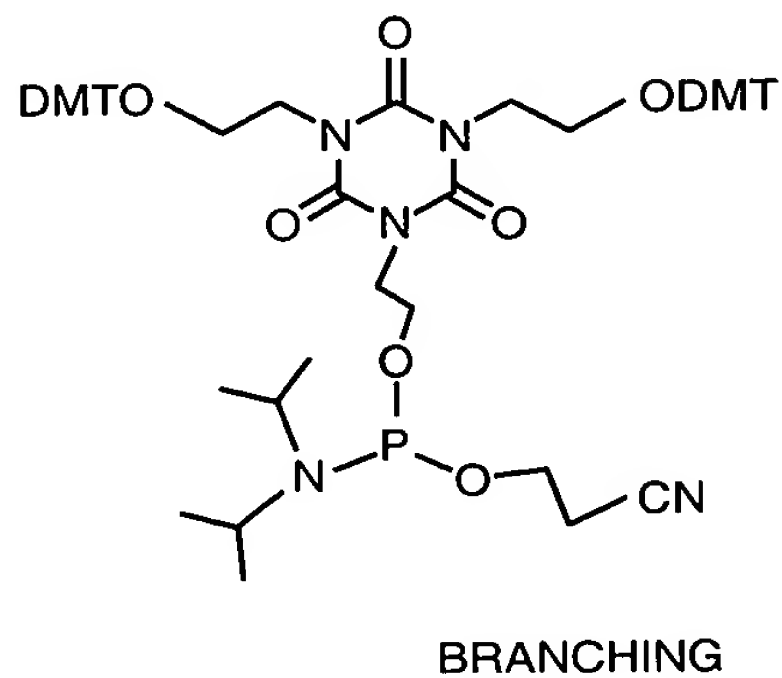
**FIG.\_1K**



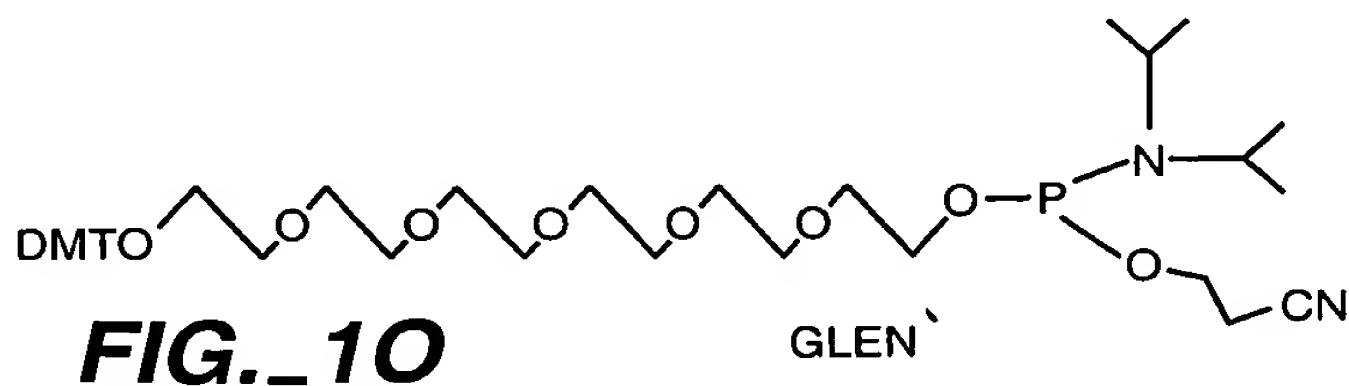
**FIG.\_1L**



**FIG.\_1M**

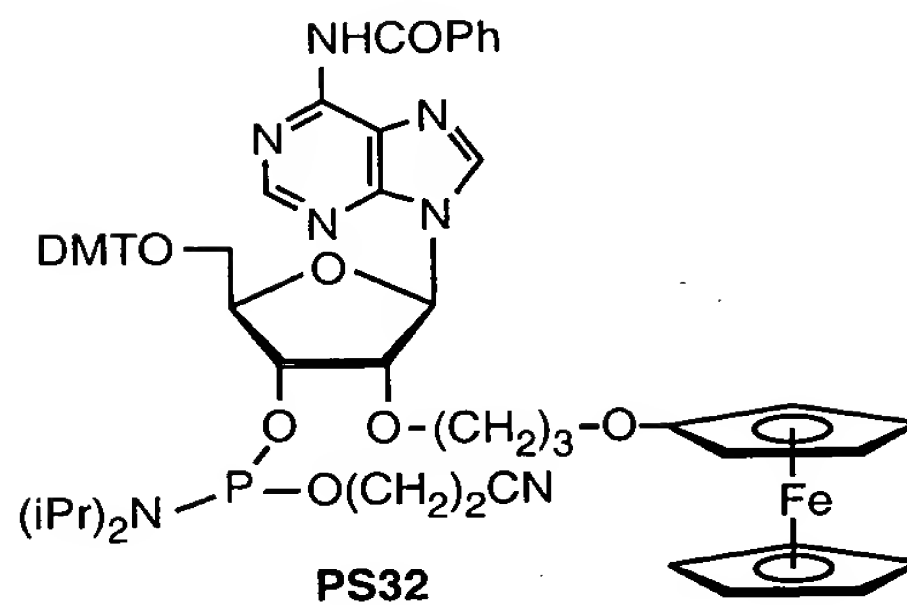
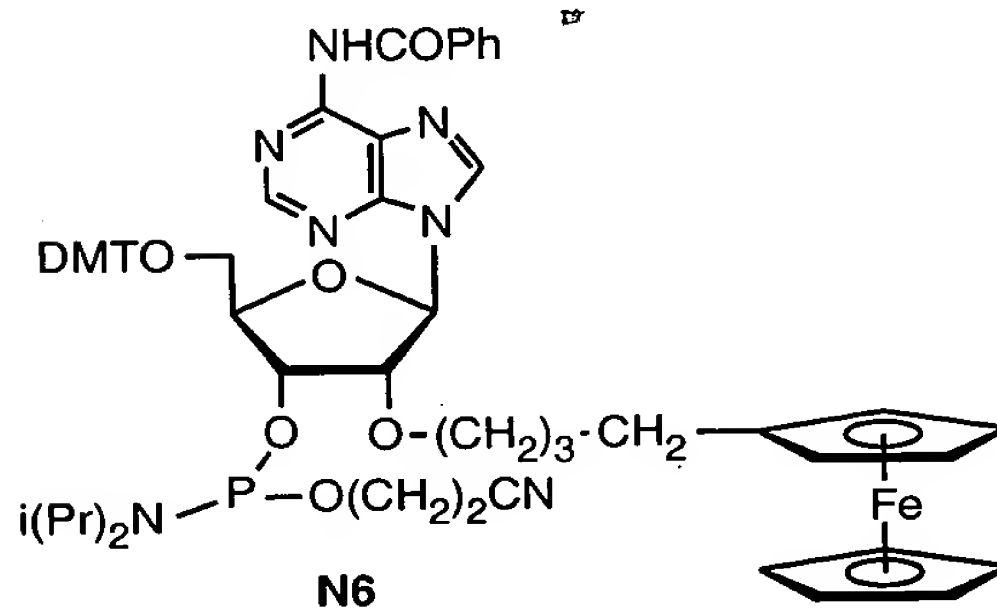
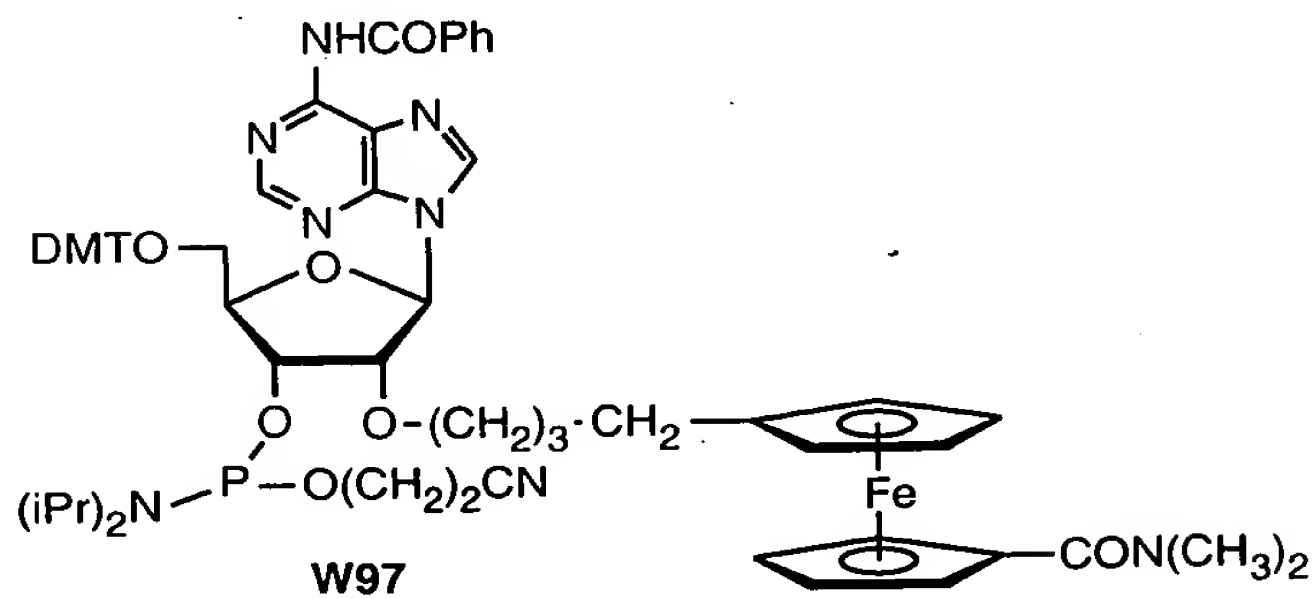


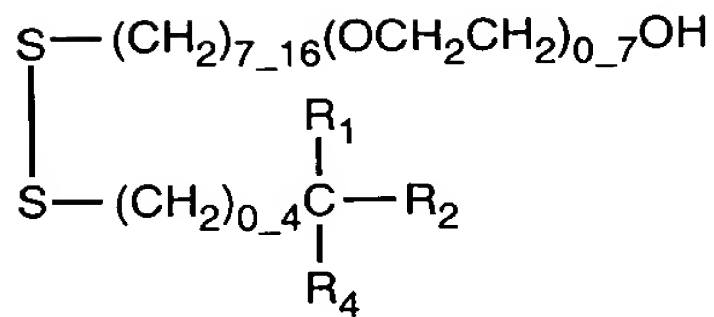
**FIG.\_1N**



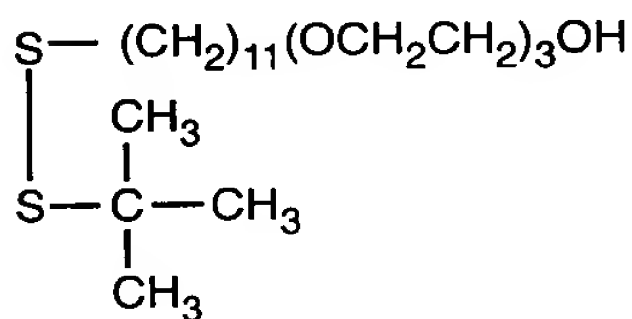
**FIG.\_1O**

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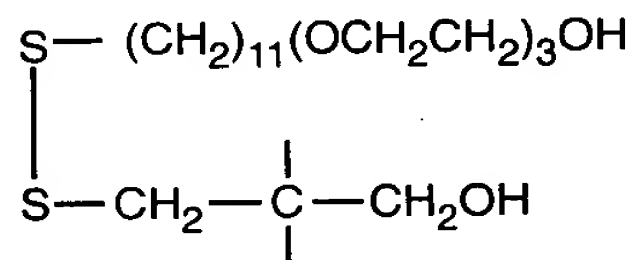
**FIG. 1P****FIG. 1Q****FIG. 1R**



$\text{R}_1, \text{R}_2, \text{AND } \text{R}_3$ : H,  $\text{CH}_3$ , t-BUTYL, CYCLOALKYL,  $\text{CH}_2\text{OH}$ ,  $\text{CH}_2\text{NH}_2$ ,  $\text{CONH}_2$ ,  $\text{COOH}$ ,  $\text{CH}_2\text{OPO}_3^{2-}$ , AROMATIC, ADAMANTYL

**FIG. 2A**

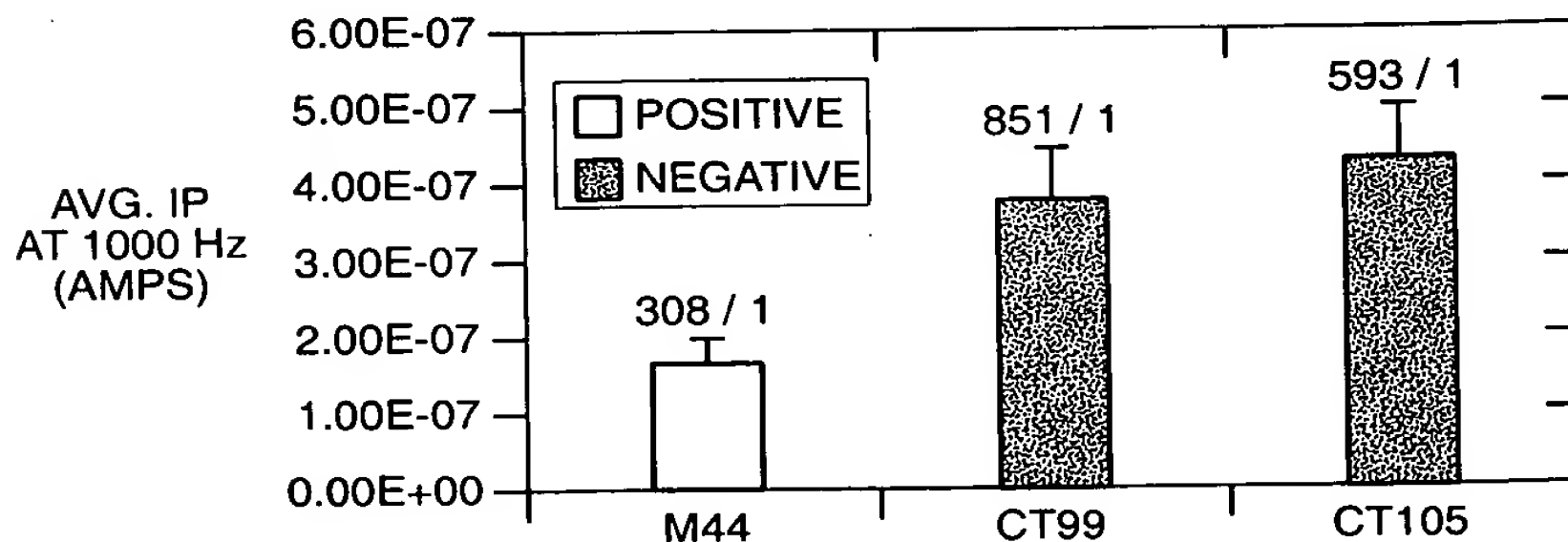
CT99



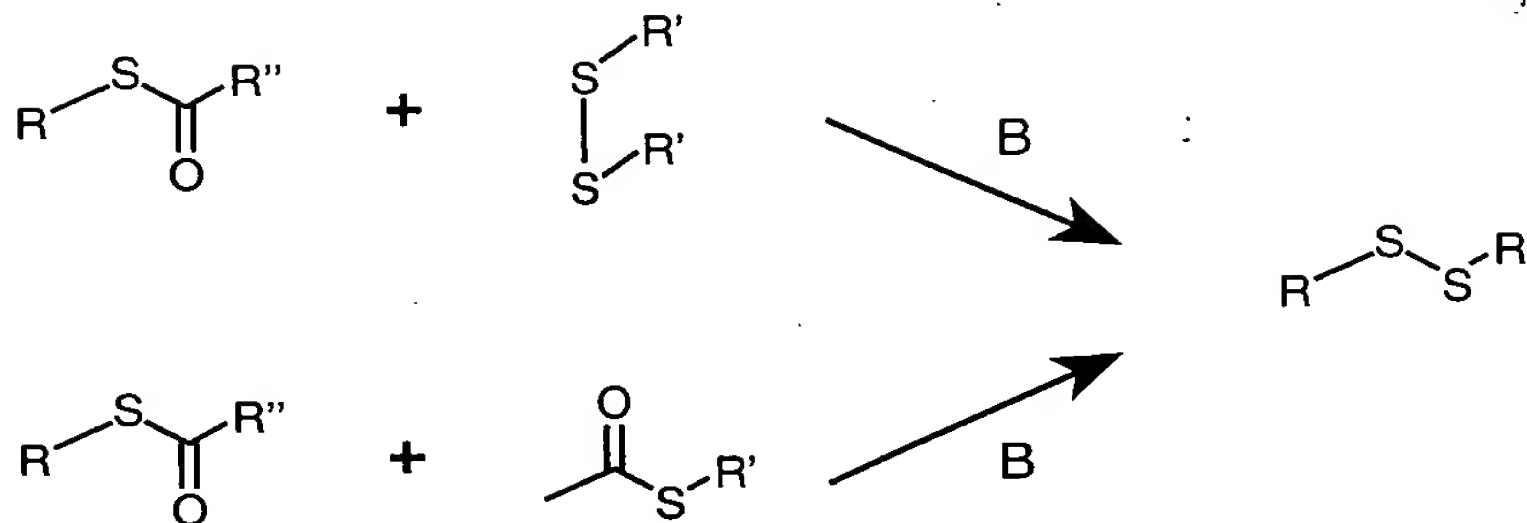
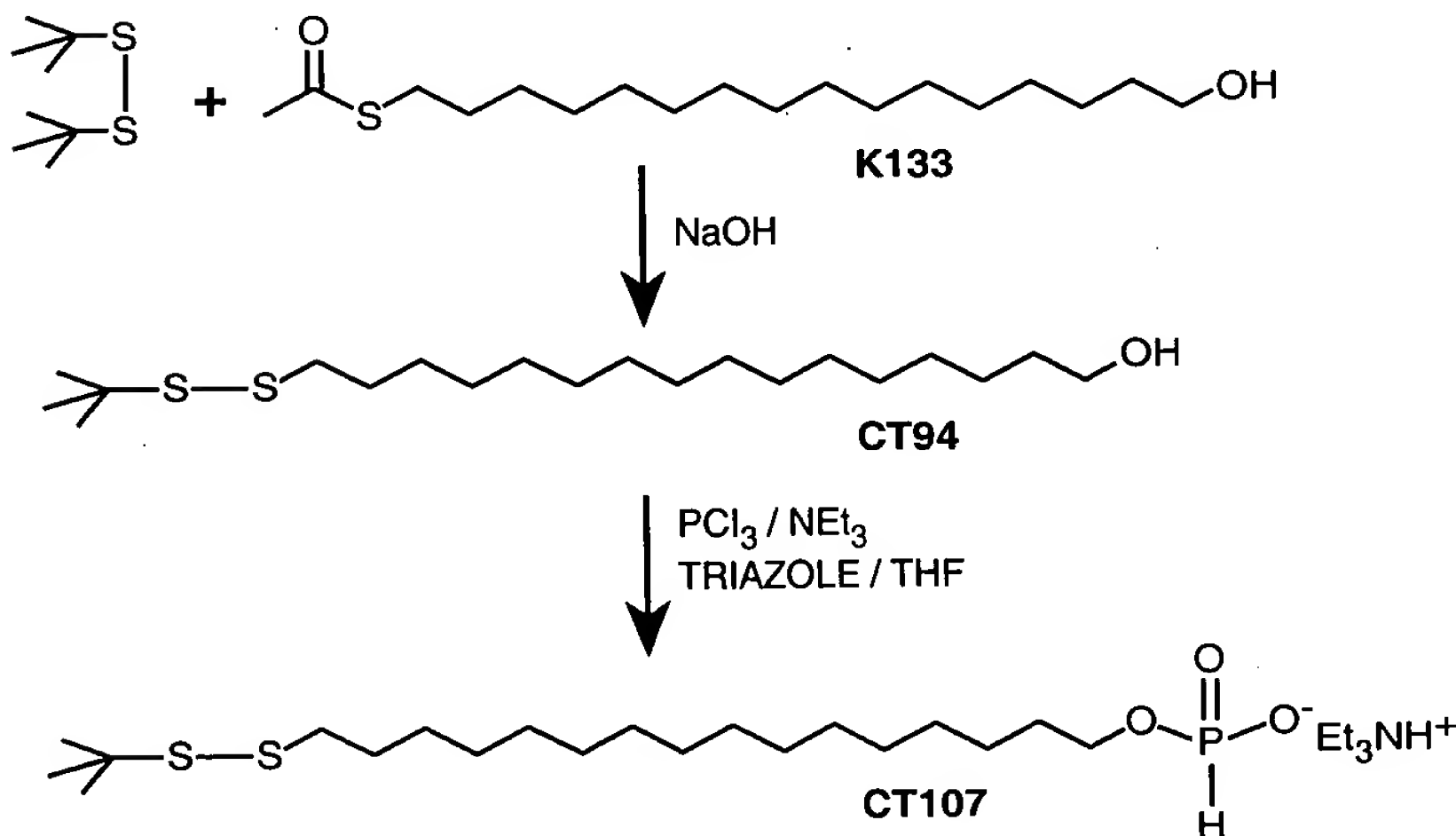
CT105

**FIG. 2B**

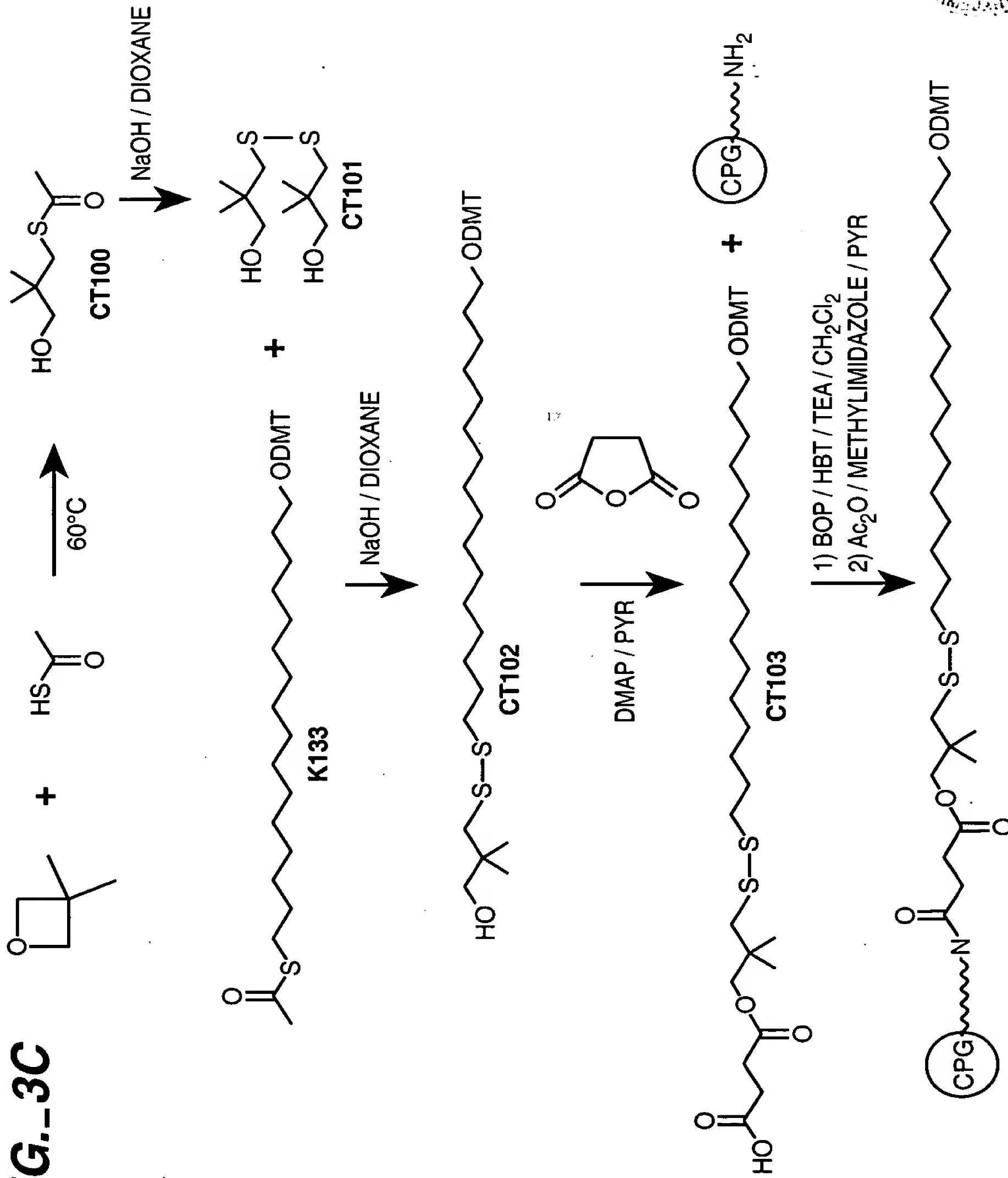
M44, CT99, CT105 FOR 8Fc (D772) SYSTEM  
WITH SIGNAL / BACKGROUND RATIO

**FIG. 2C**

CHIPS

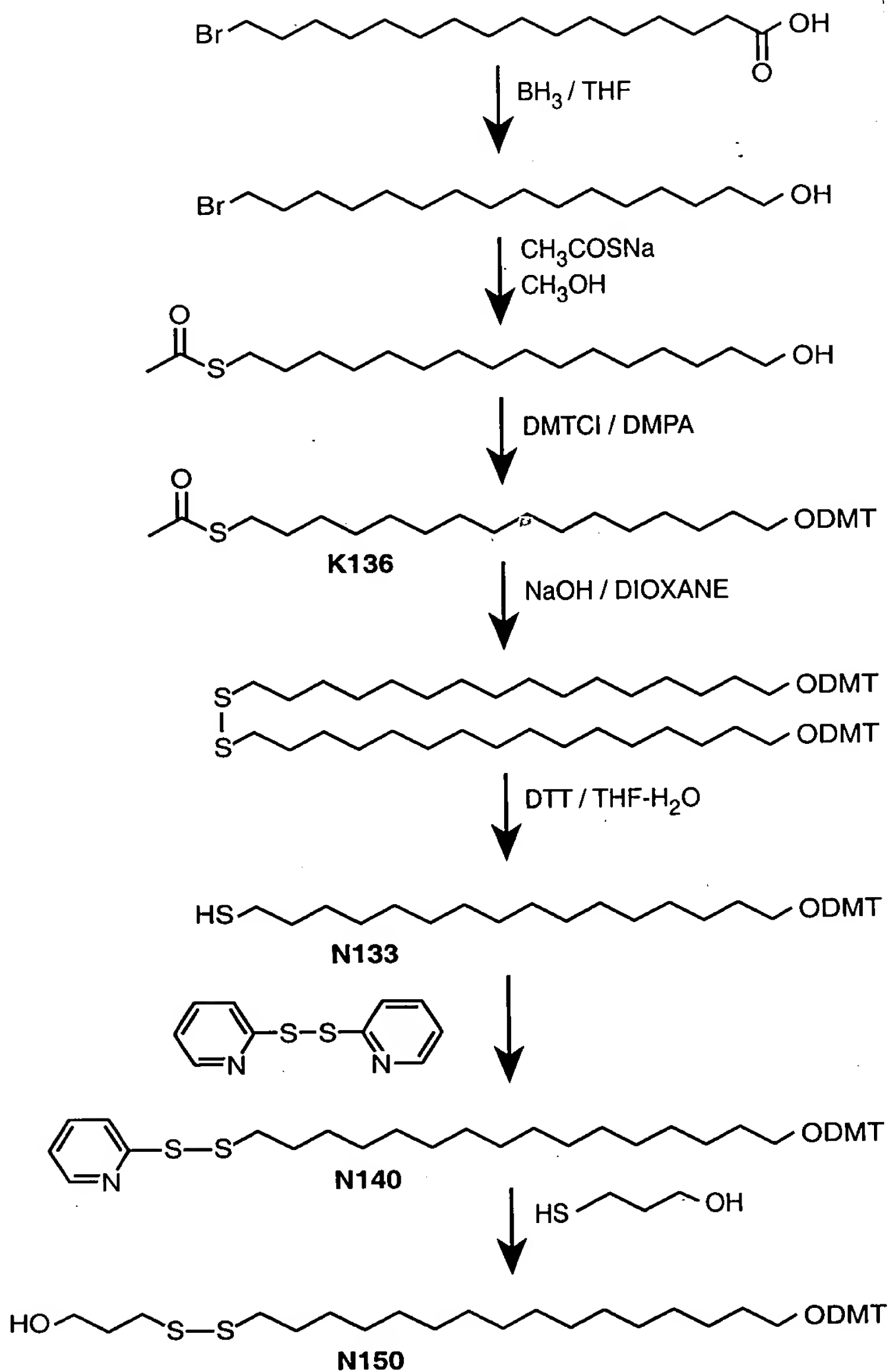
**FIG. 3A****FIG. 3B**

**FIG.-3C**



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## METHOD A

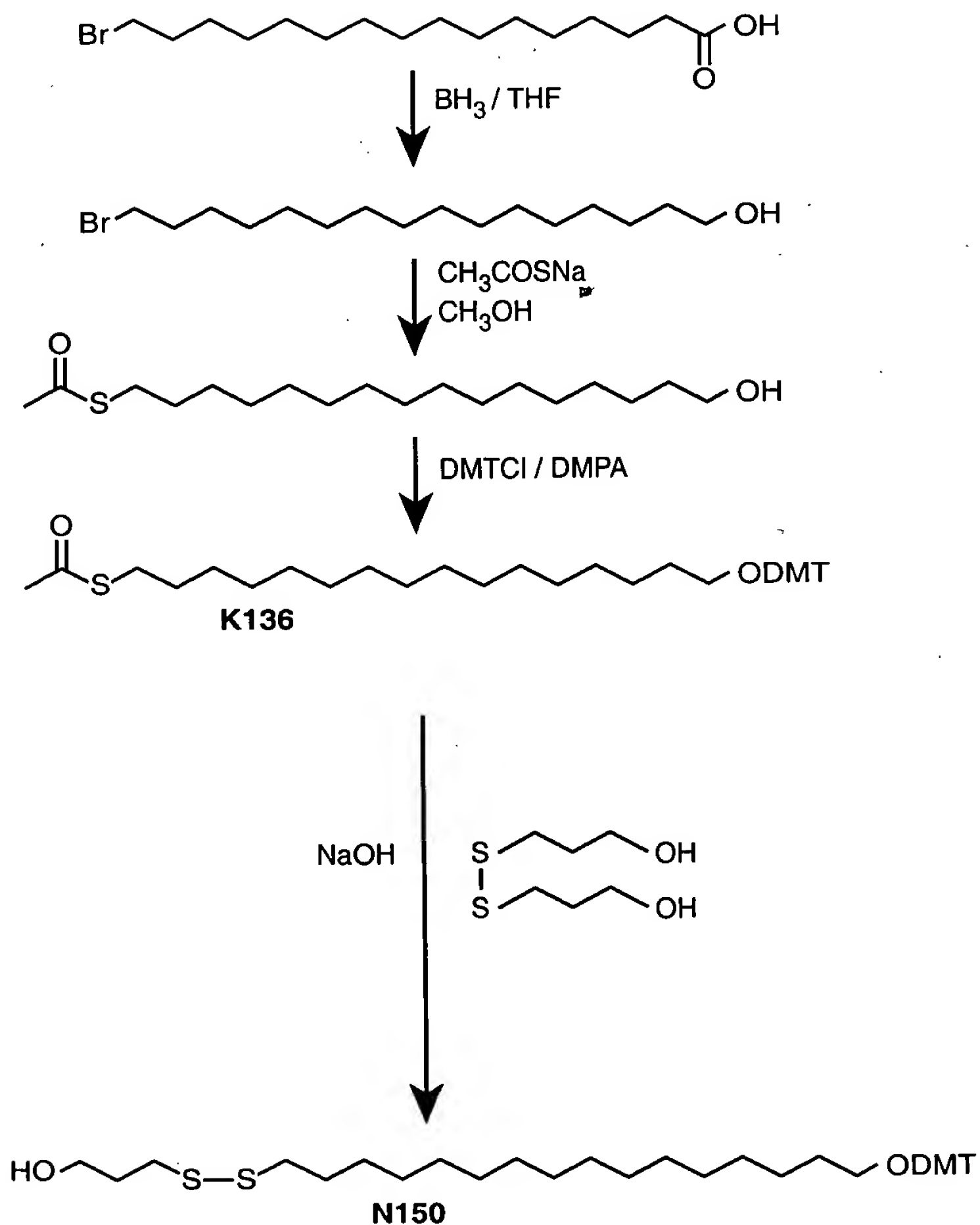
**FIG. 3D-1**

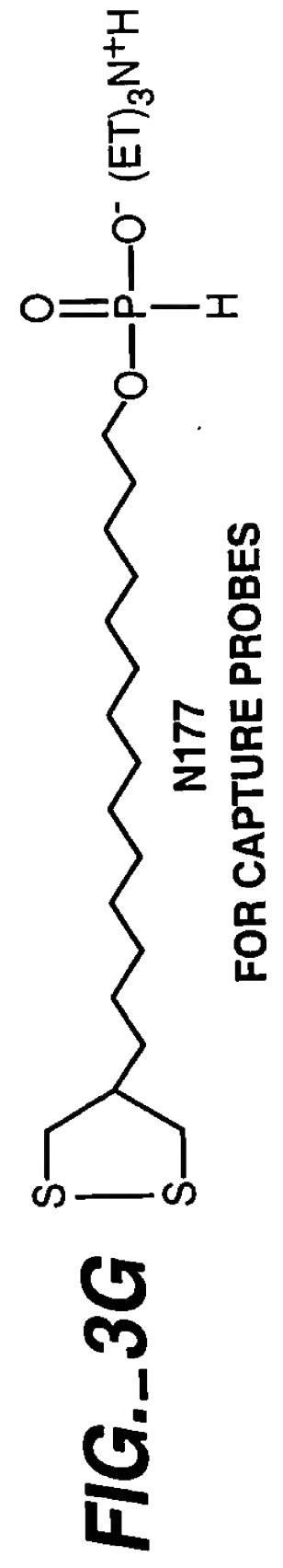
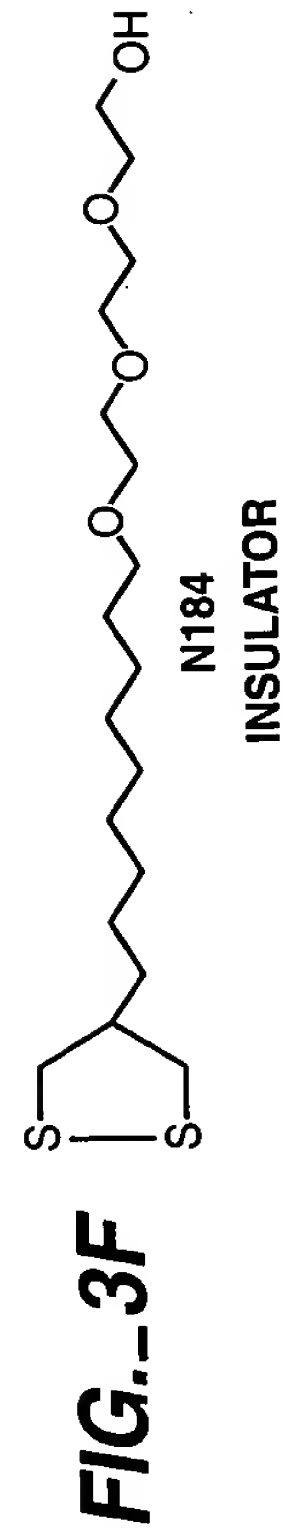
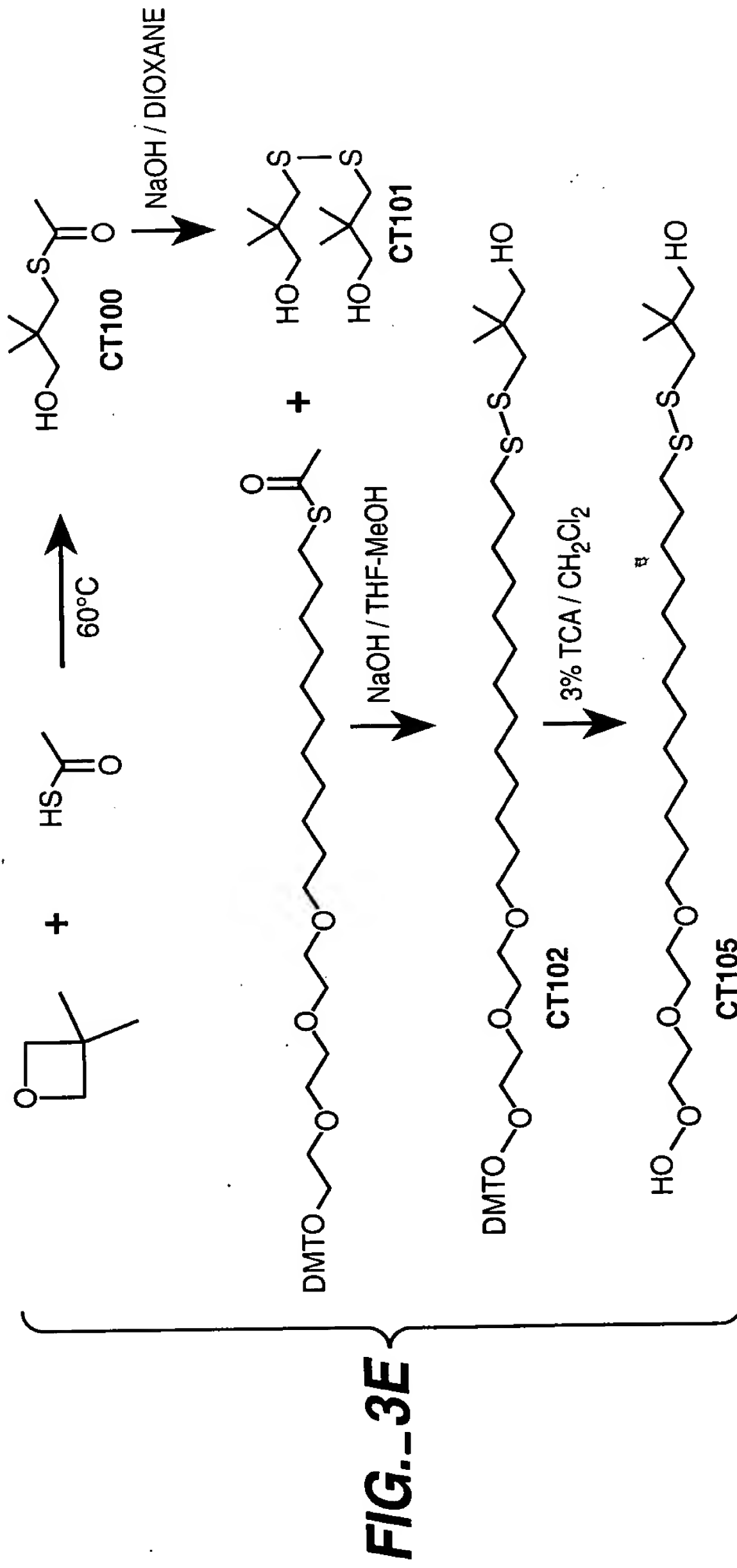


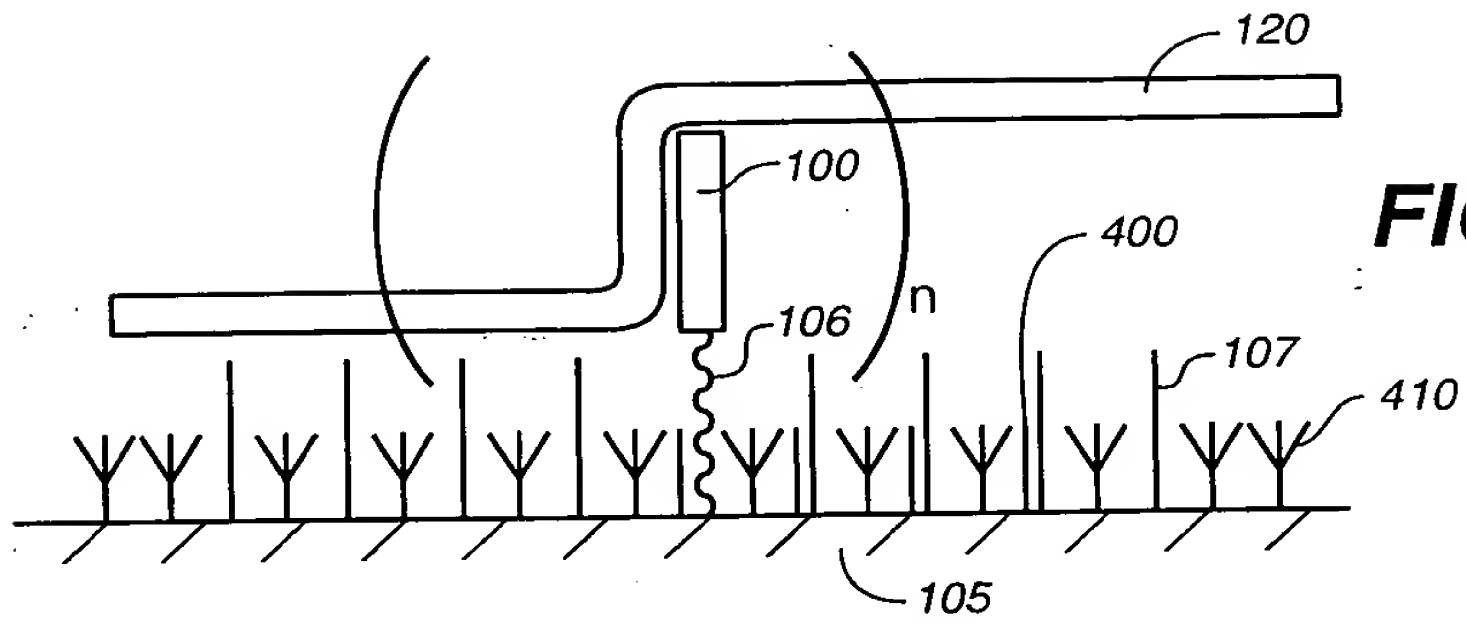
**FIG.\_3D**

FIG.\_3D-1

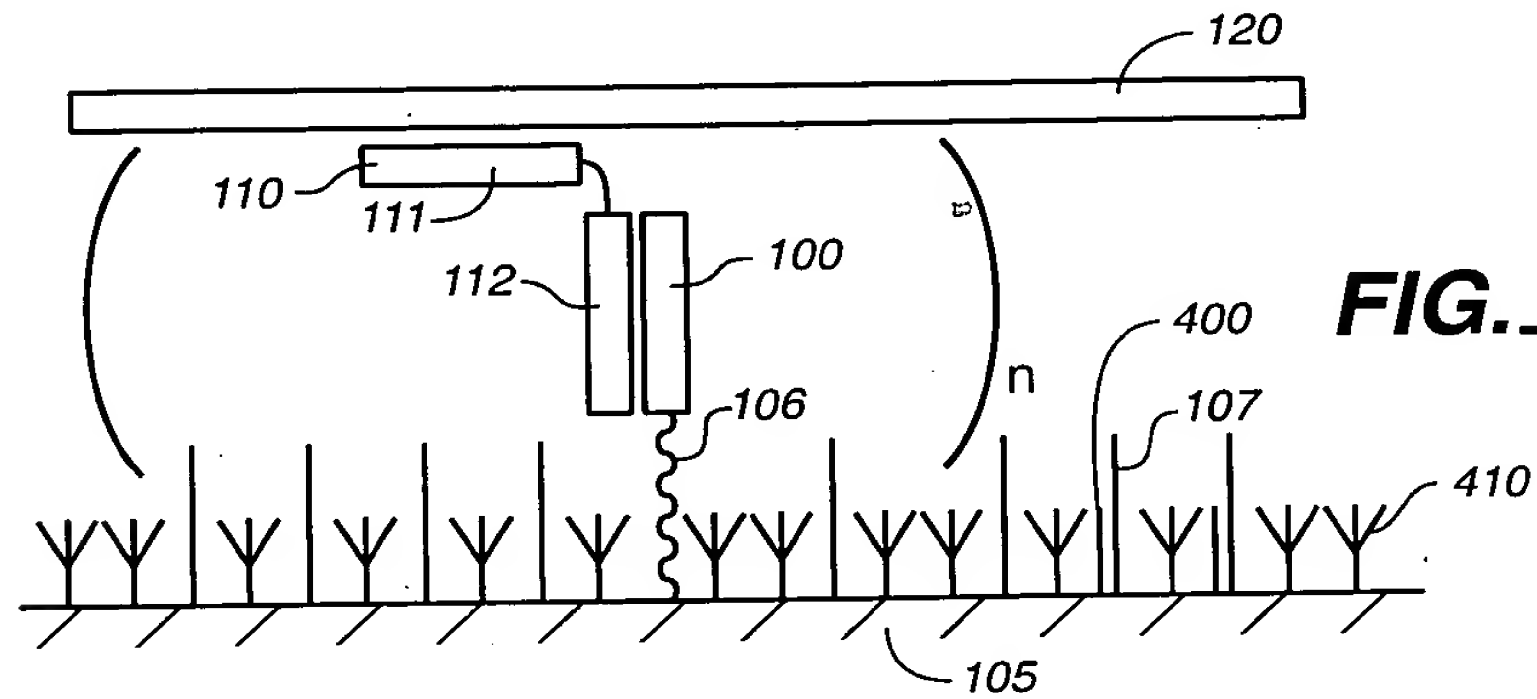
FIG.\_3D-2

**METHOD B****FIG.\_3D-2**

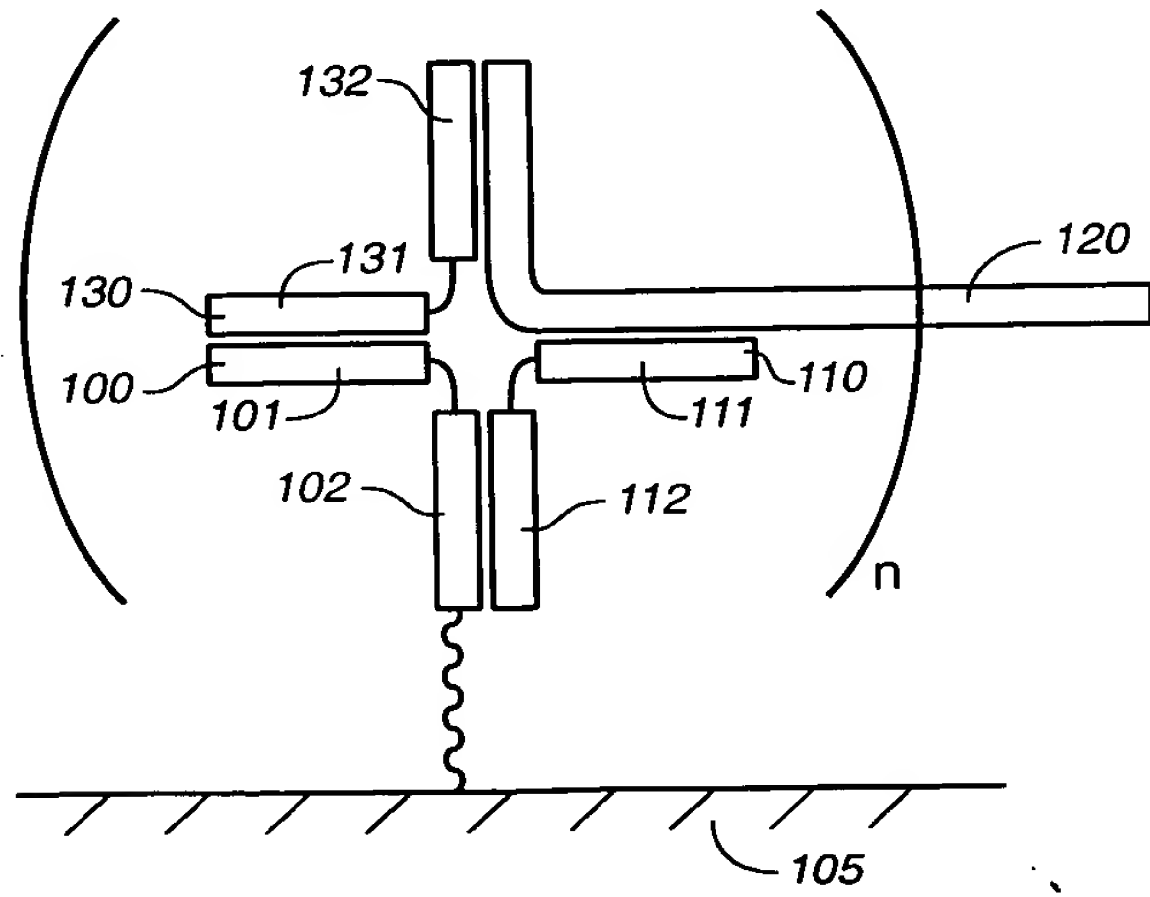




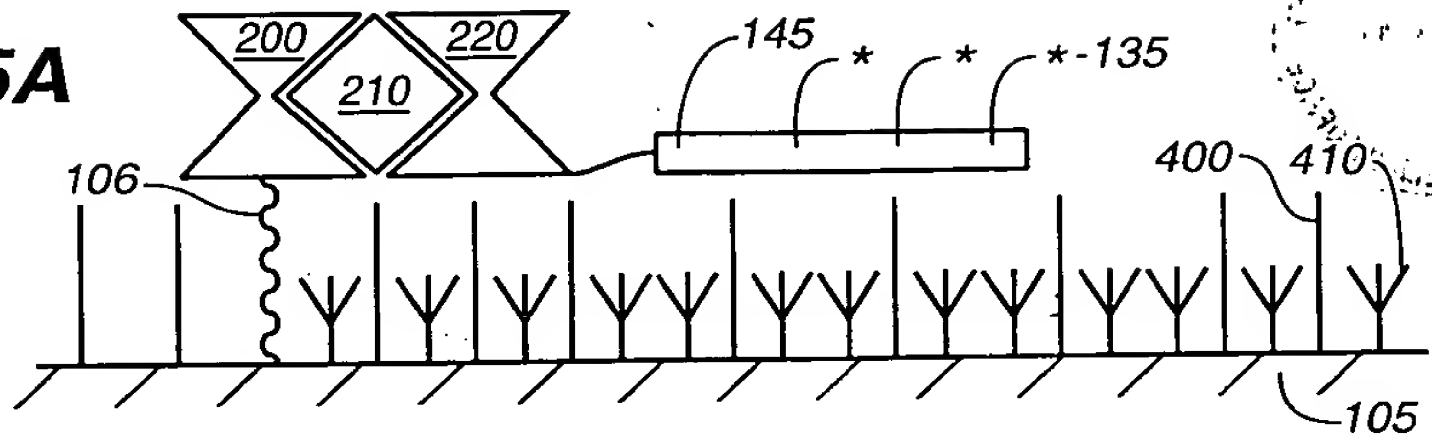
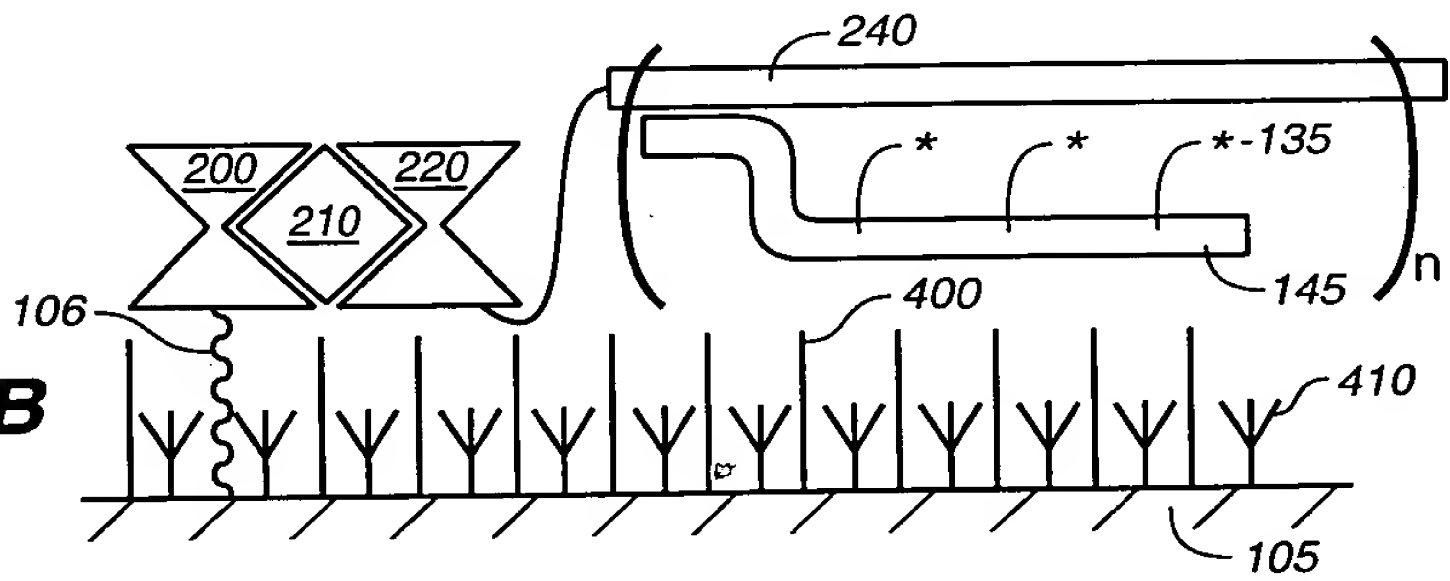
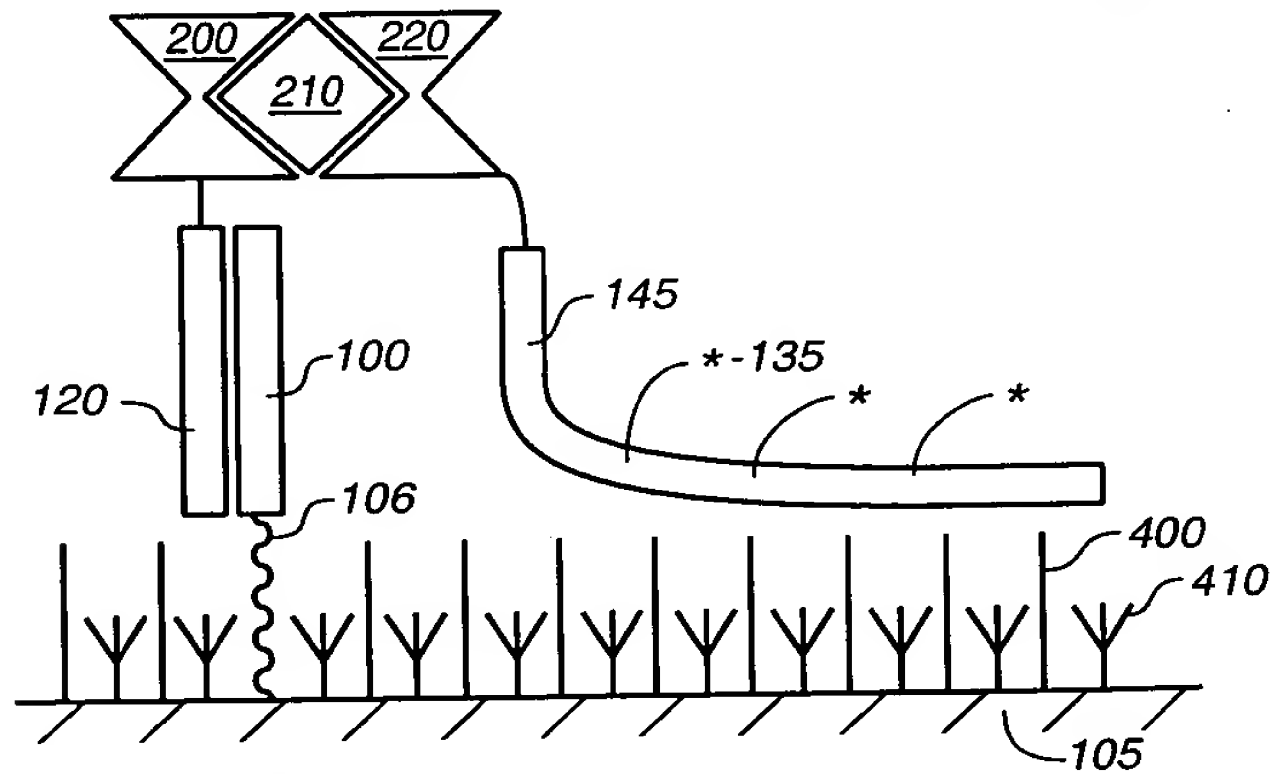
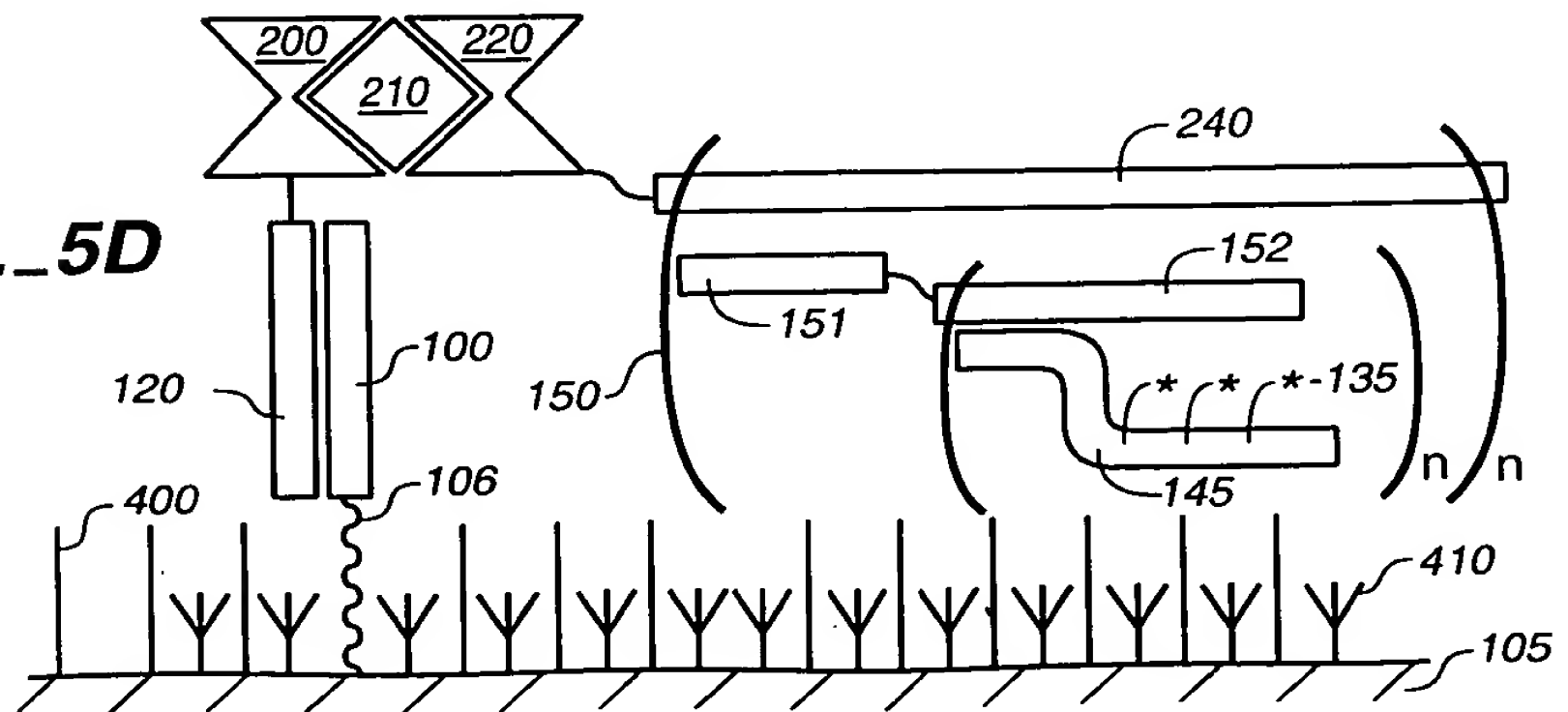
**FIG. 4A**

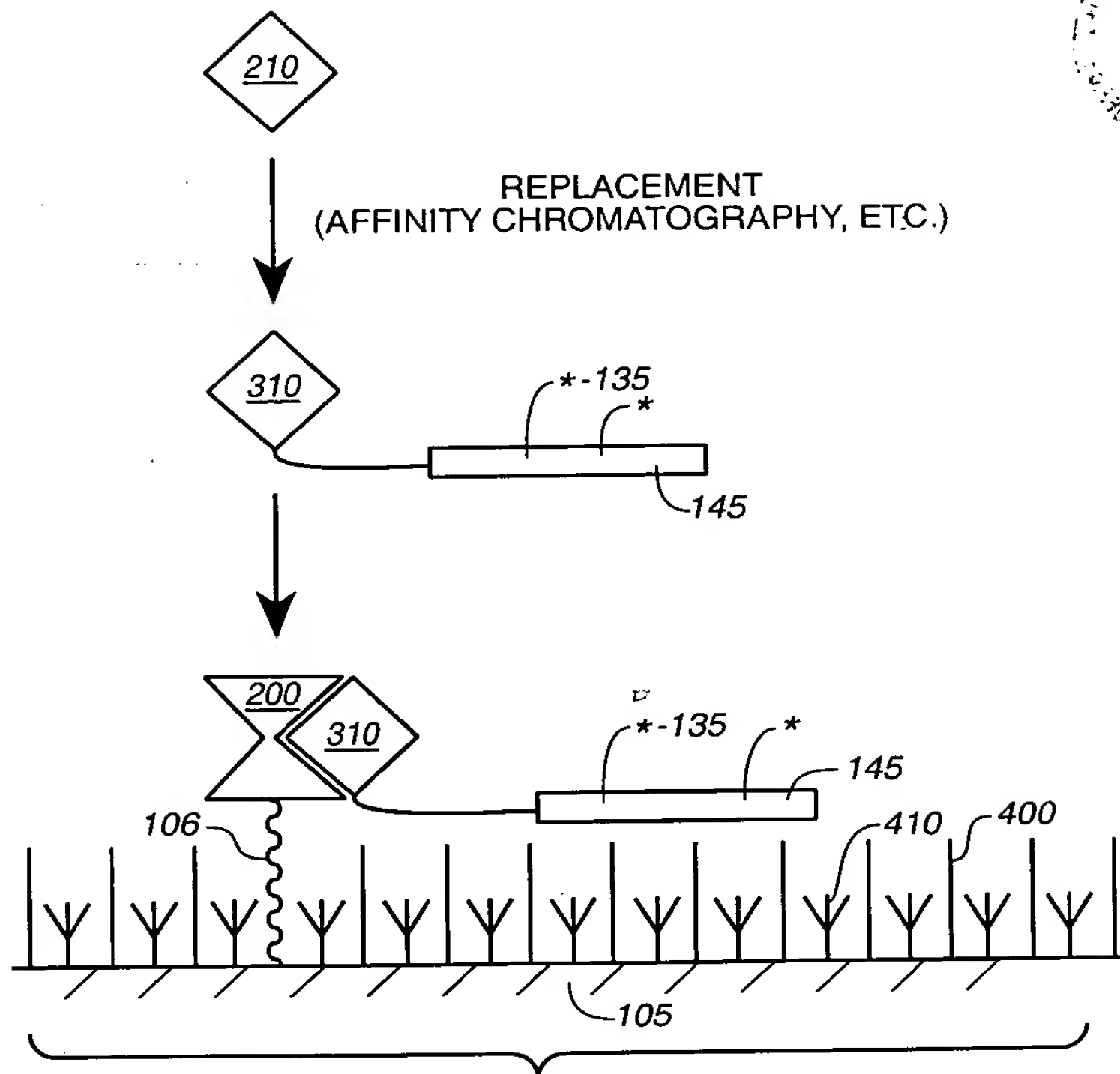
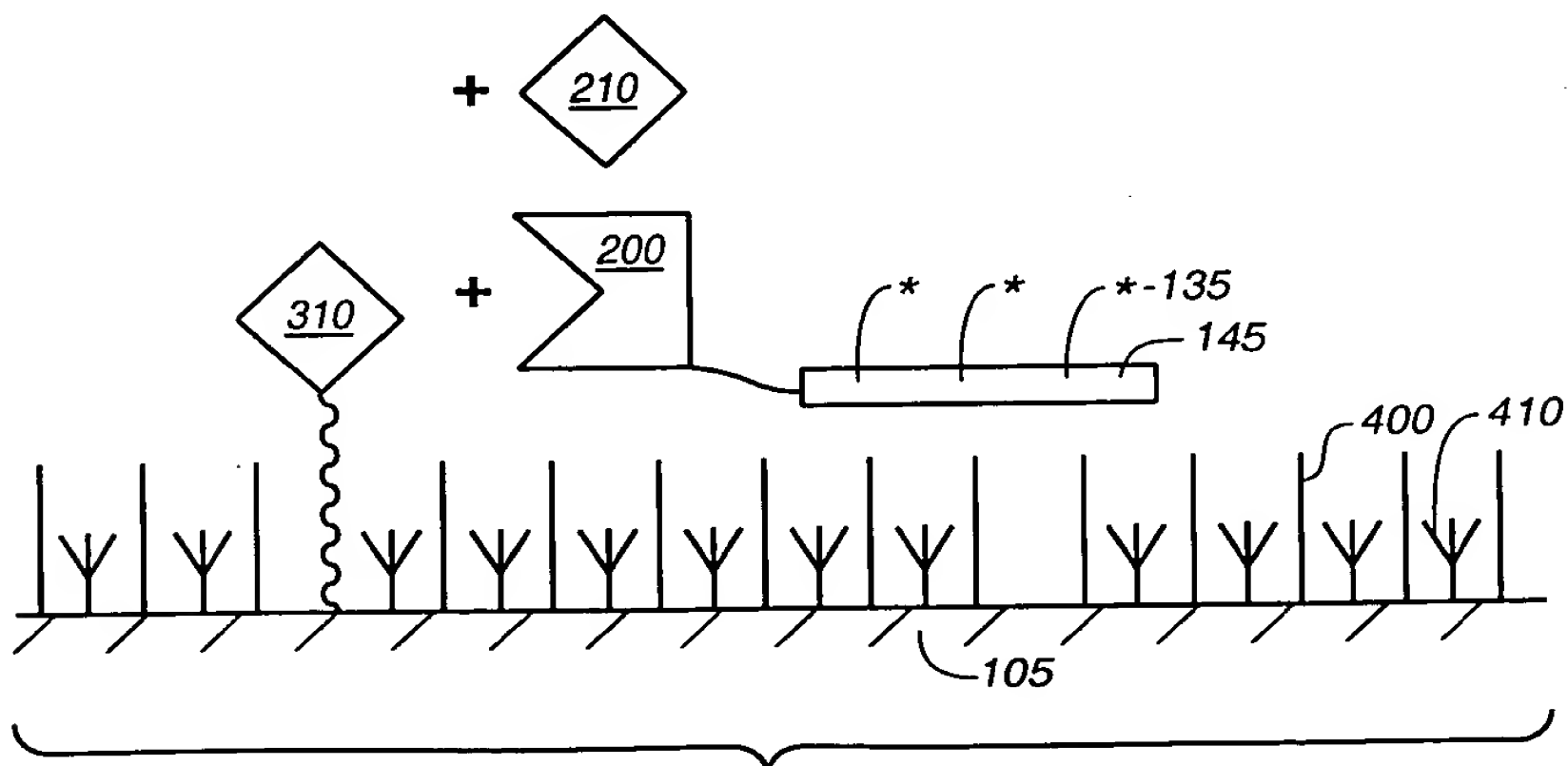


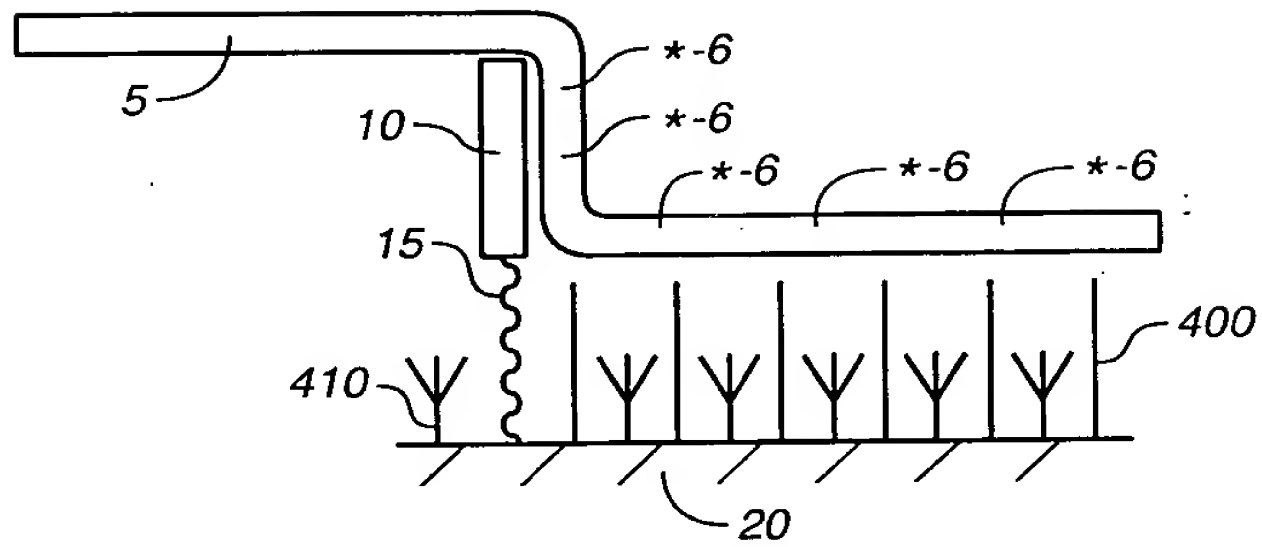
**FIG. 4B**



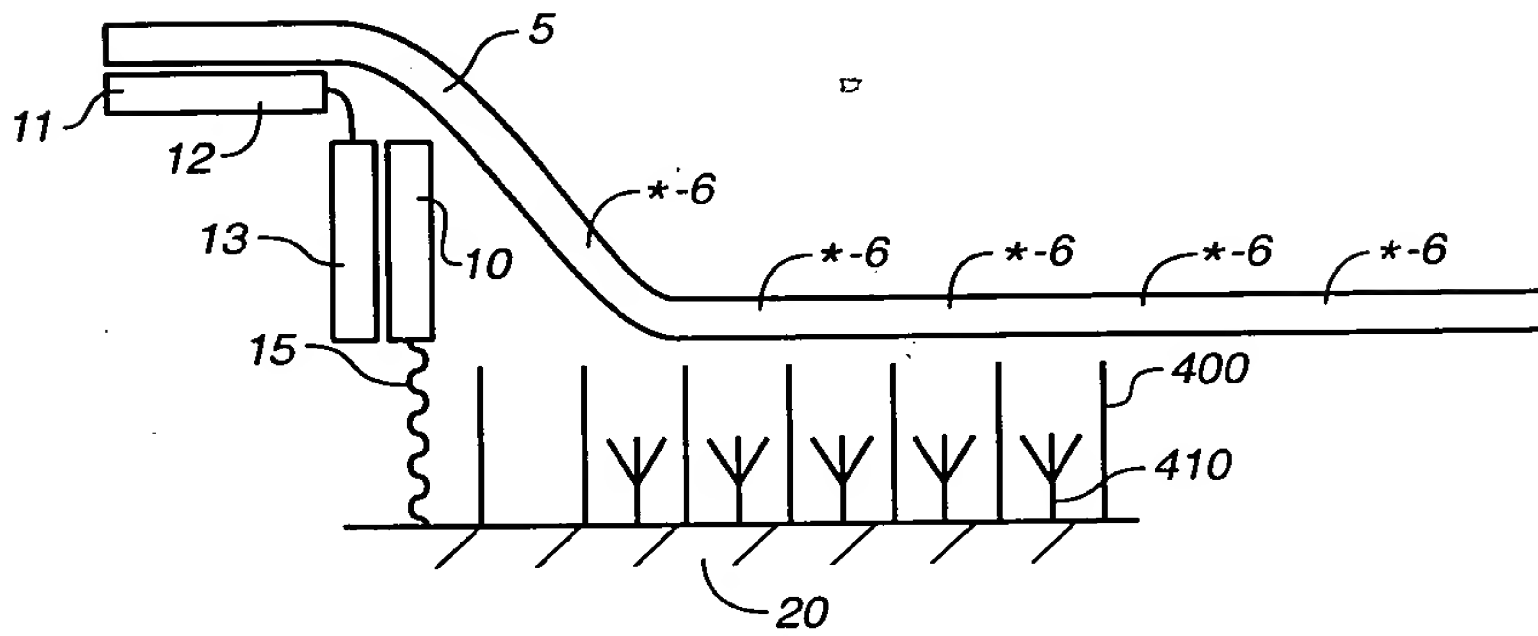
**FIG. 4C**

**FIG.\_5A****FIG.\_5B****FIG.\_5C****FIG.\_5D**

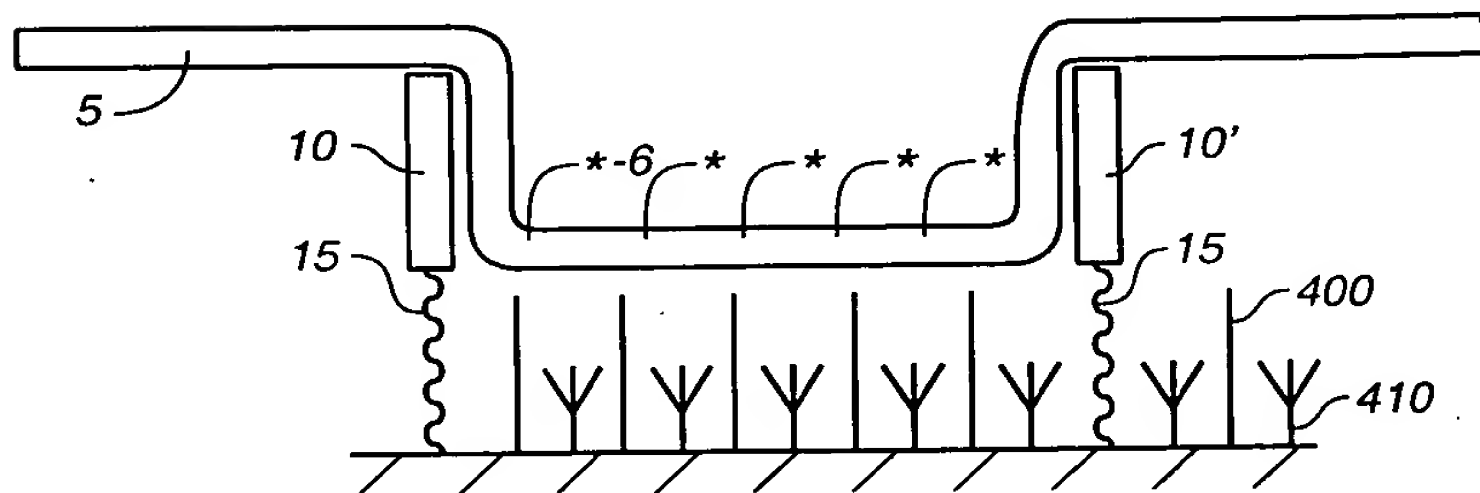
**FIG.\_6A****FIG.\_6B**



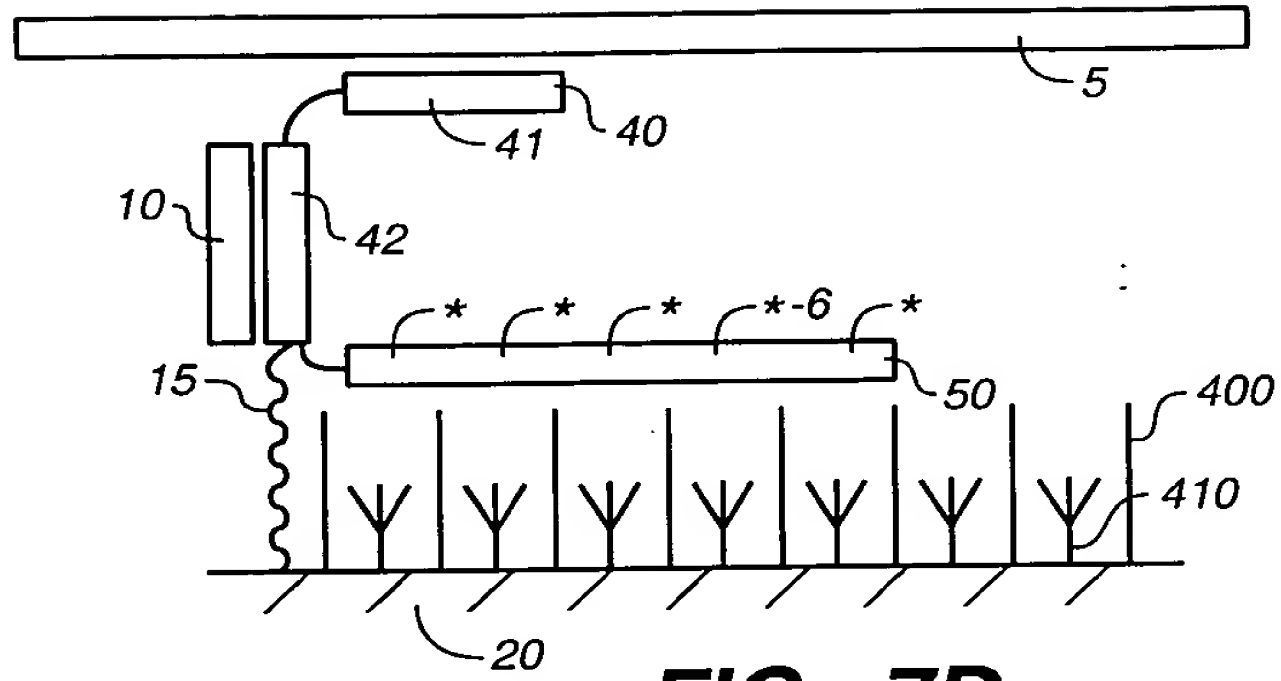
**FIG. 7A**



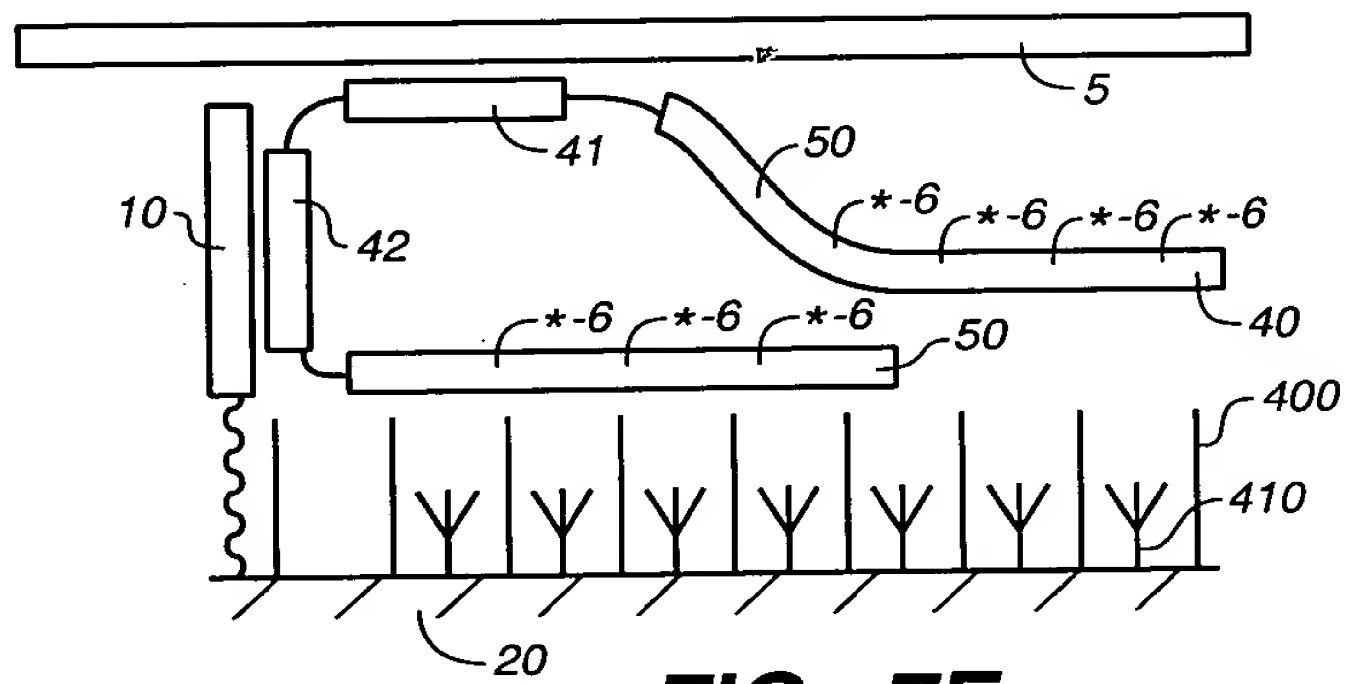
**FIG. 7B**



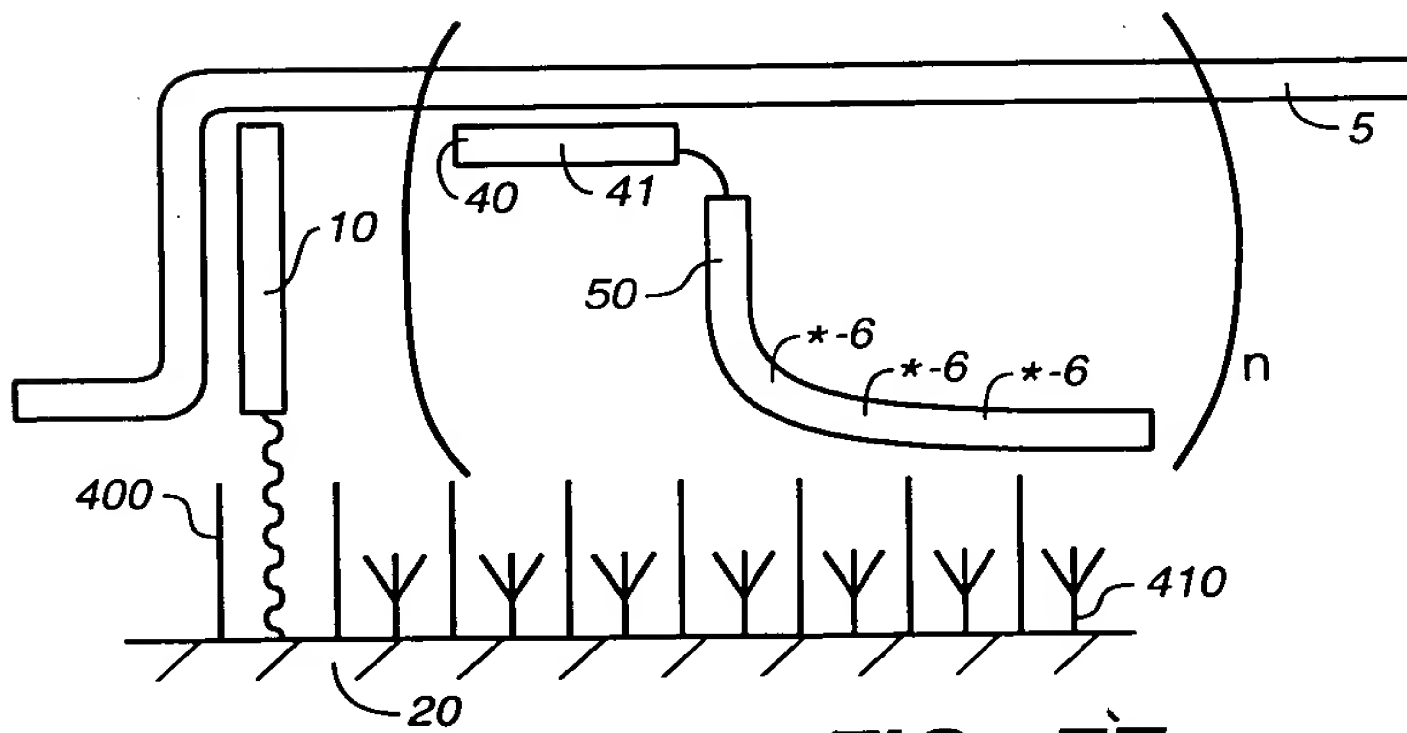
**FIG. 7C**



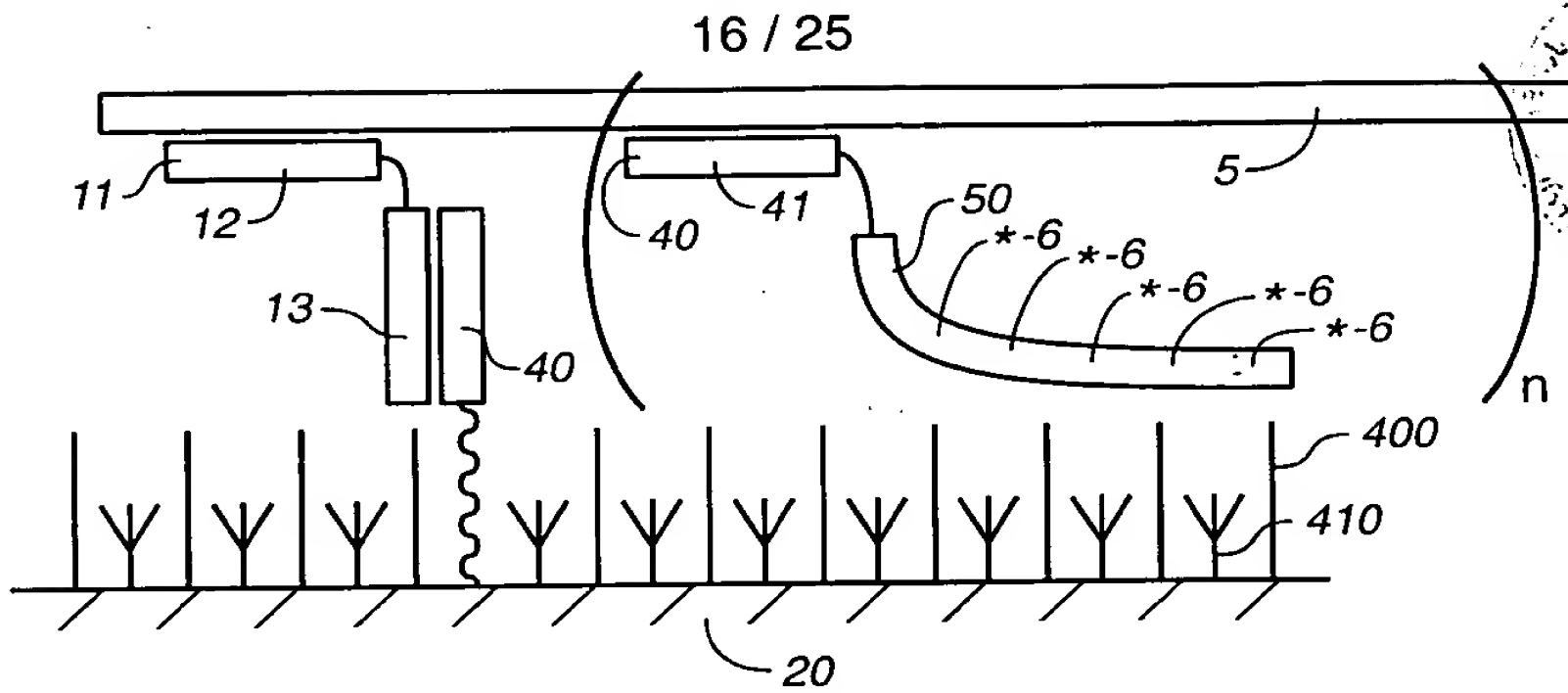
**FIG. 7D**



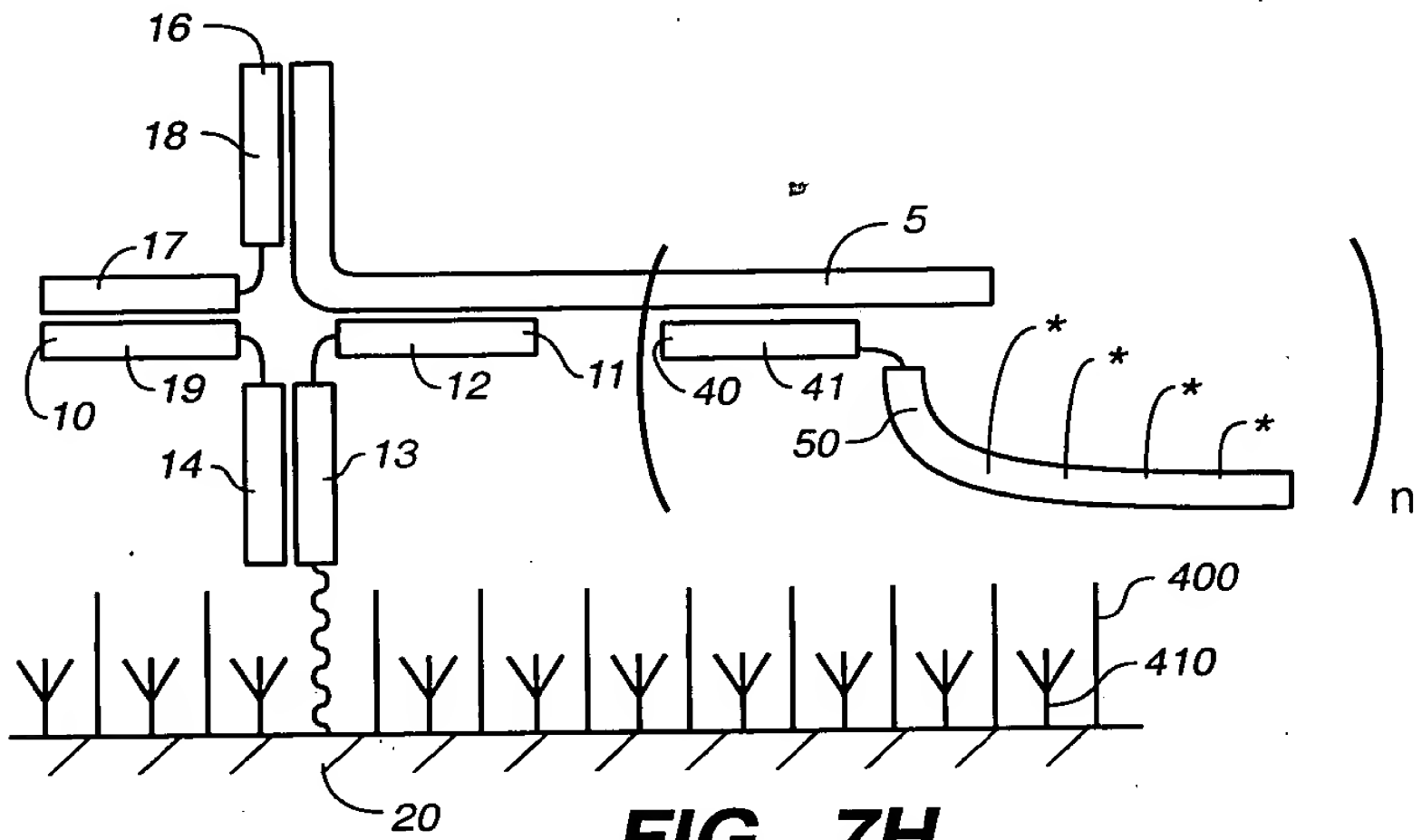
**FIG. 7E**



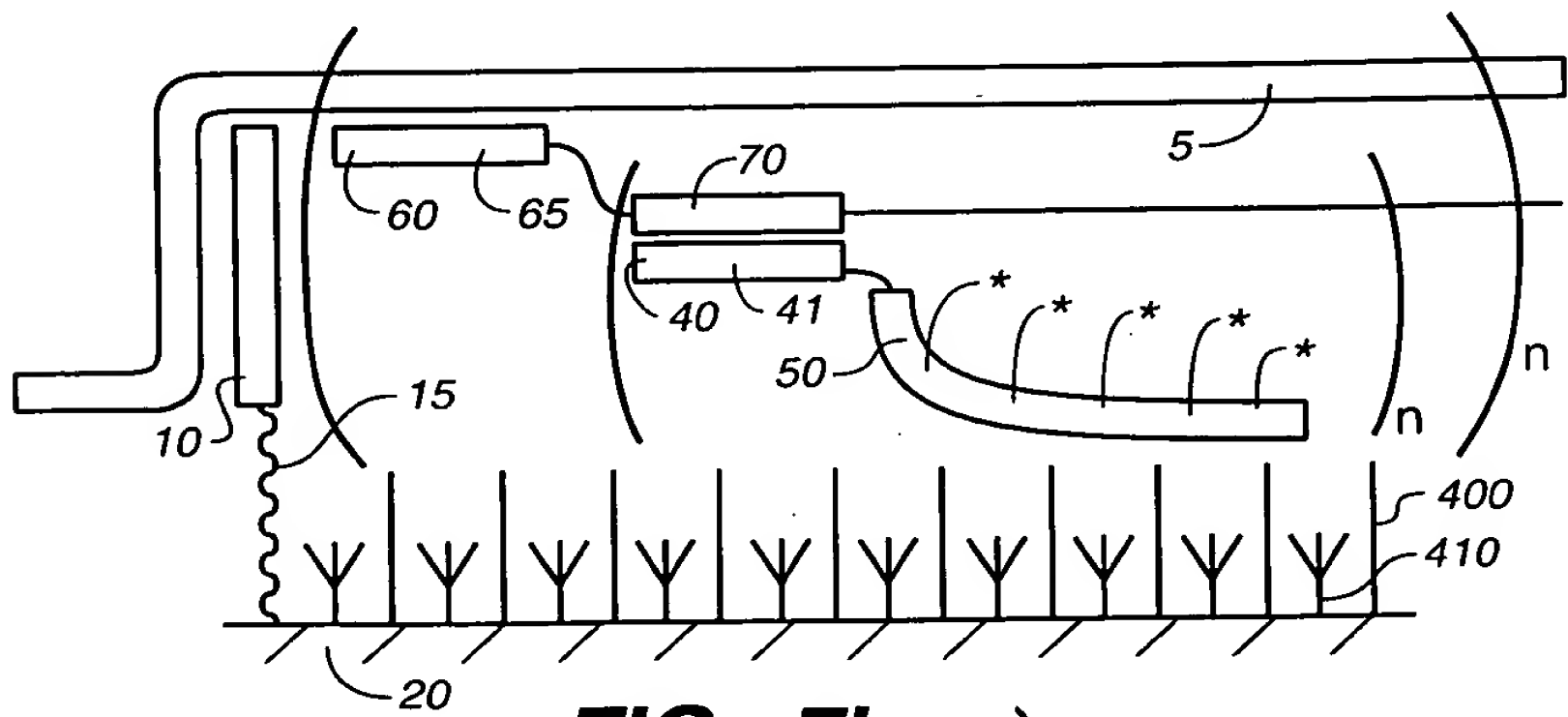
**FIG. 7F**



**FIG. 7G**

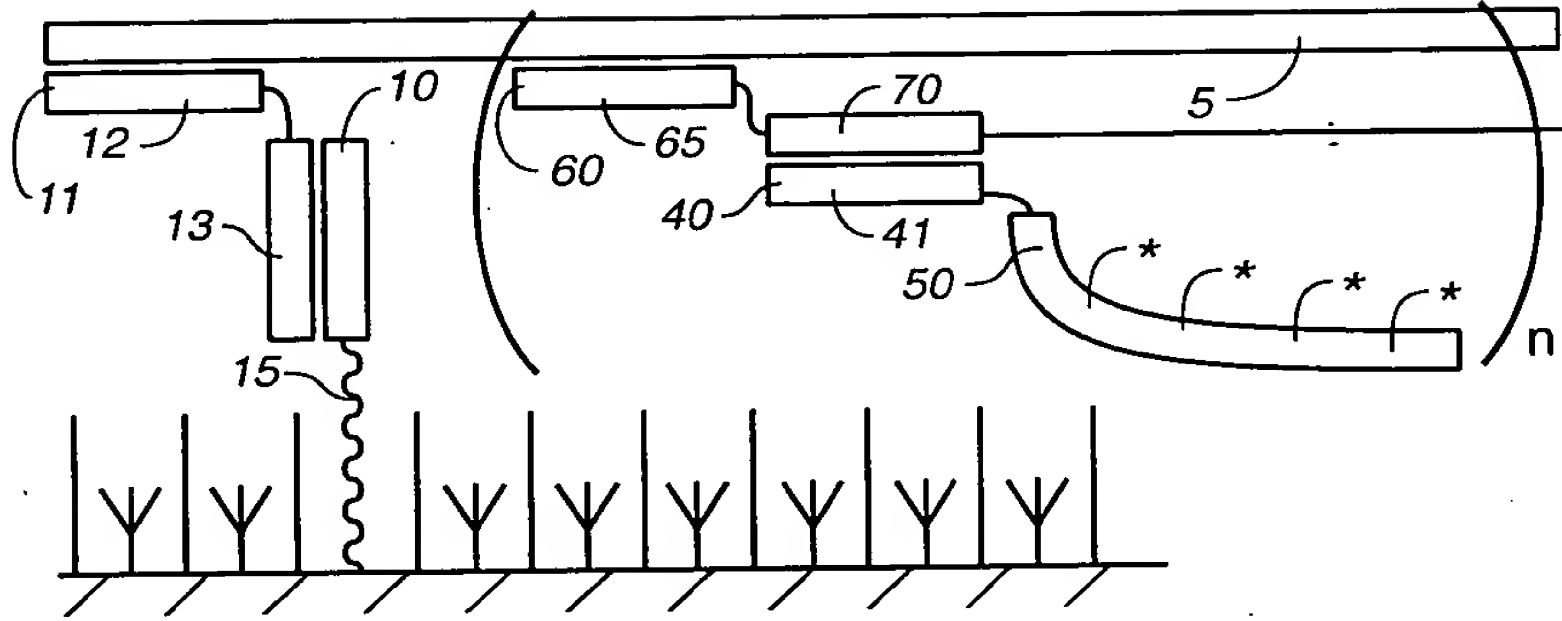


**FIG. 7H**

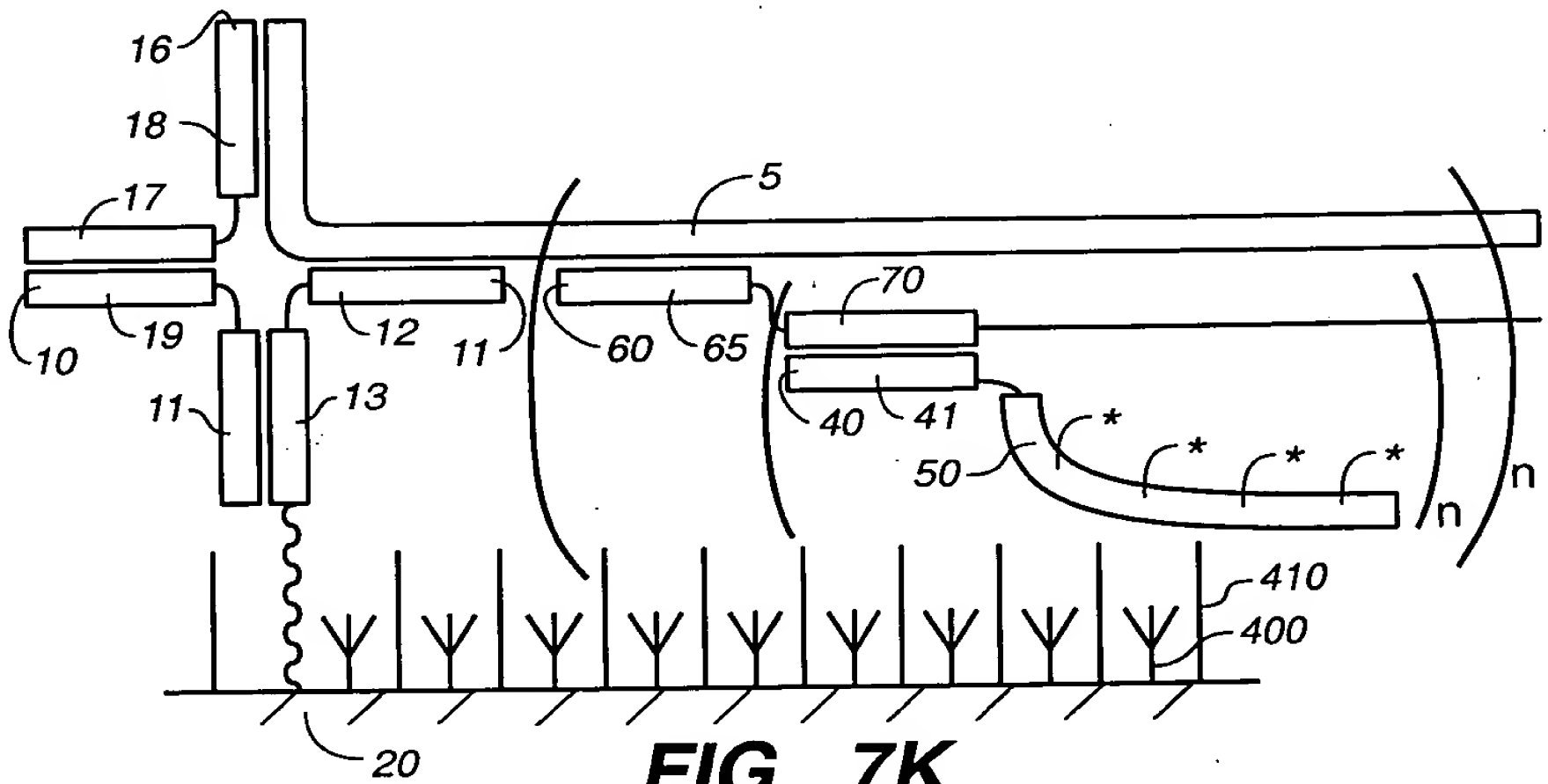


**FIG. 7I**

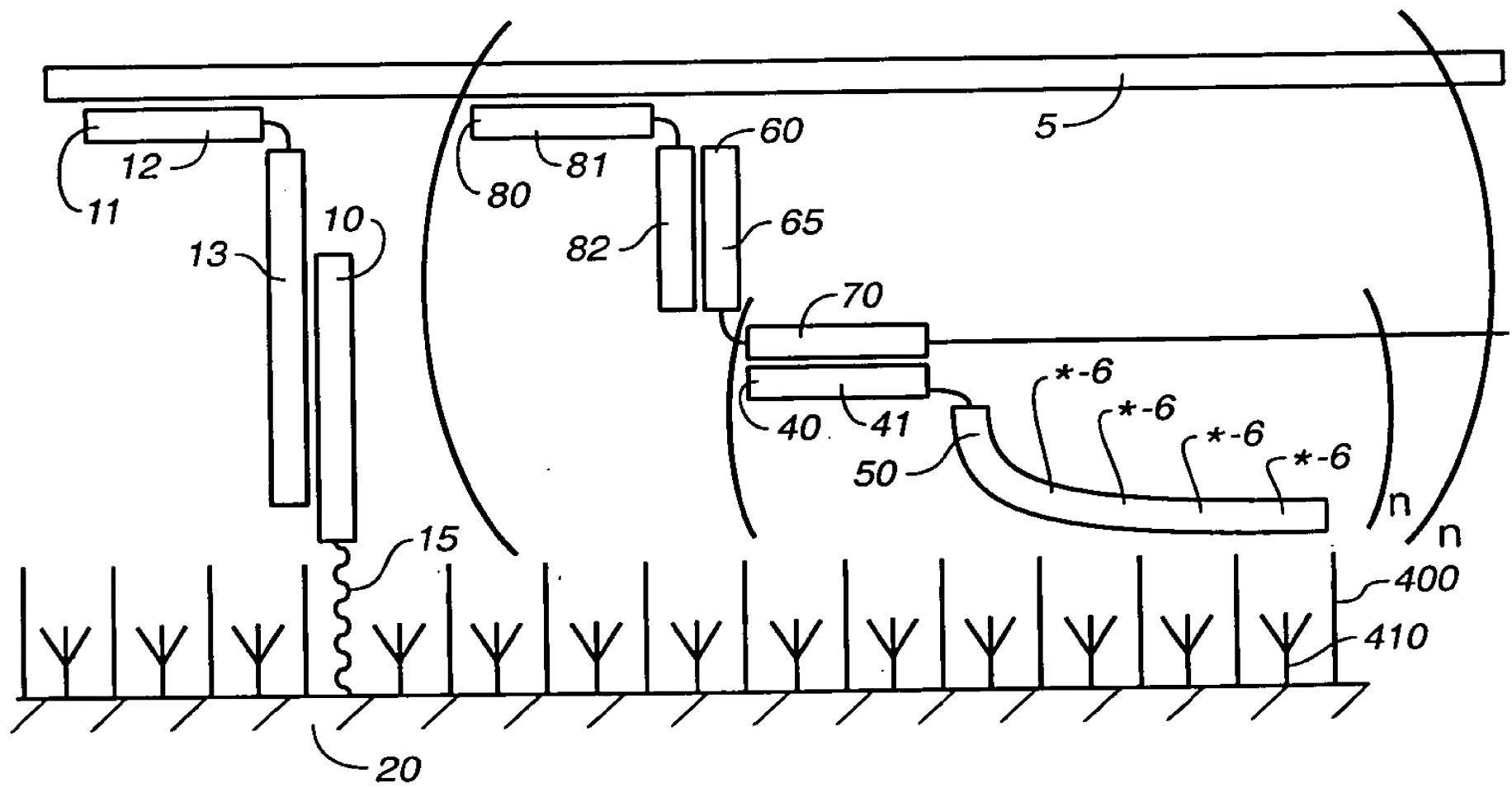
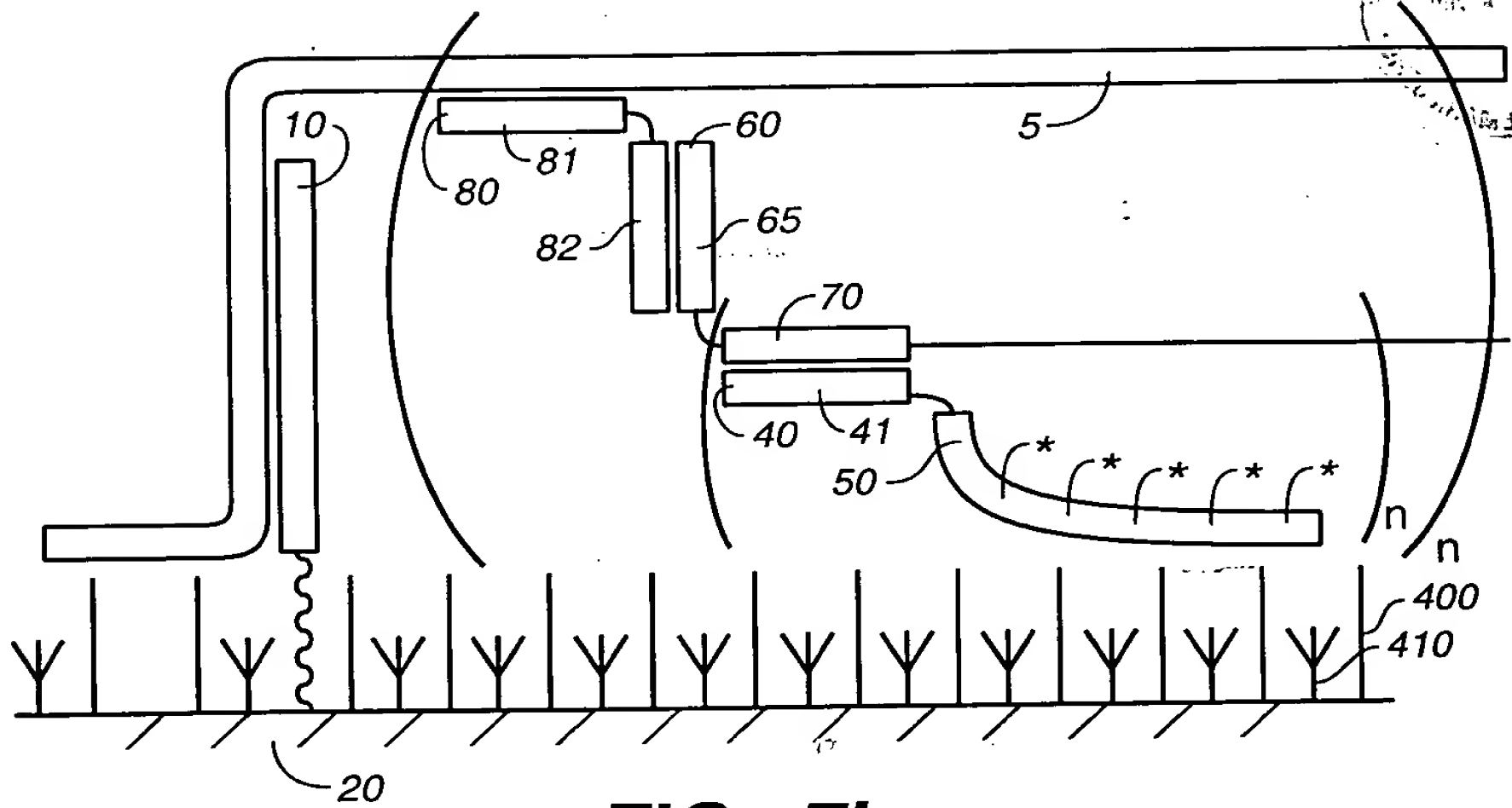




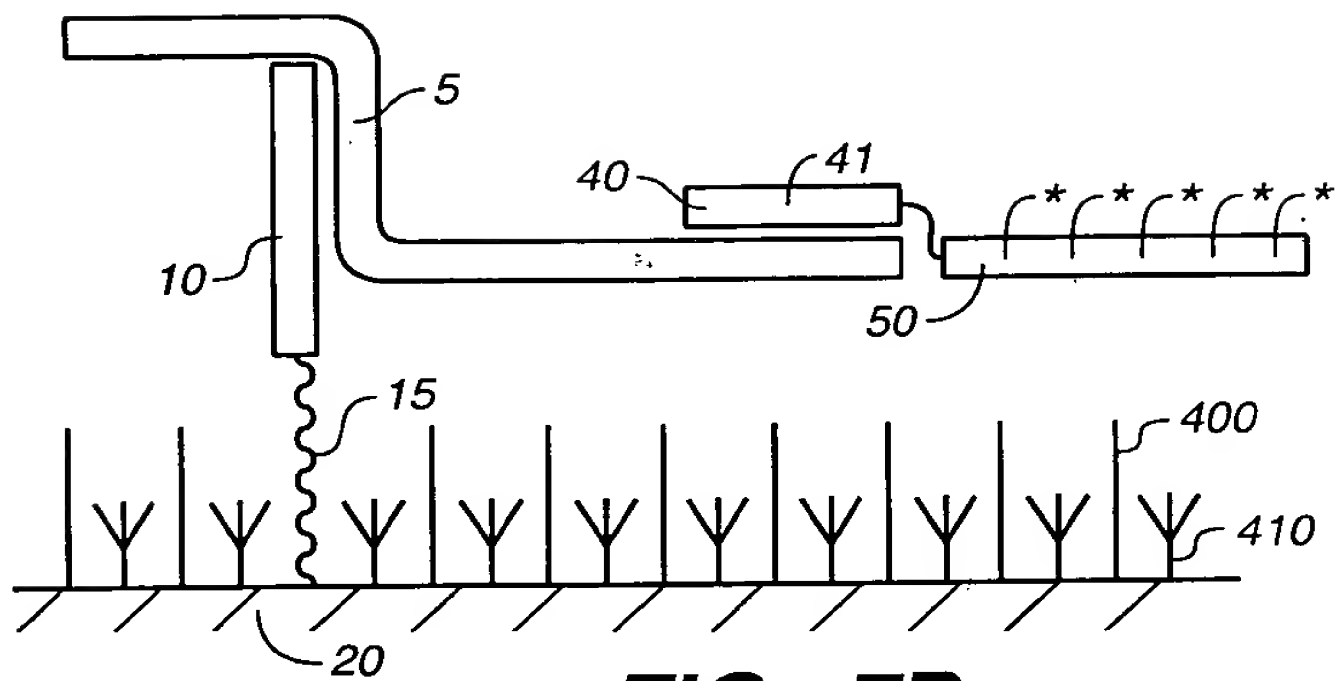
**FIG. 7J**



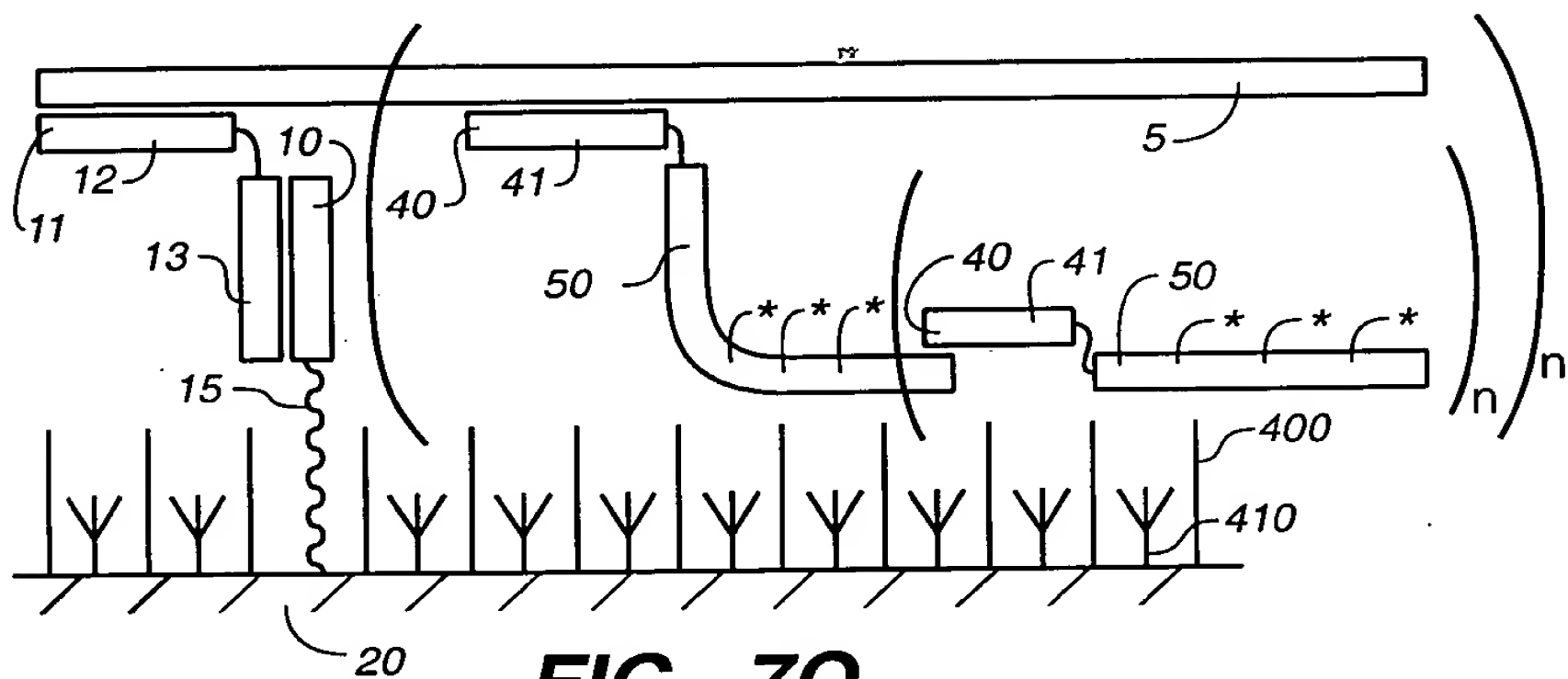
**FIG. 7K**



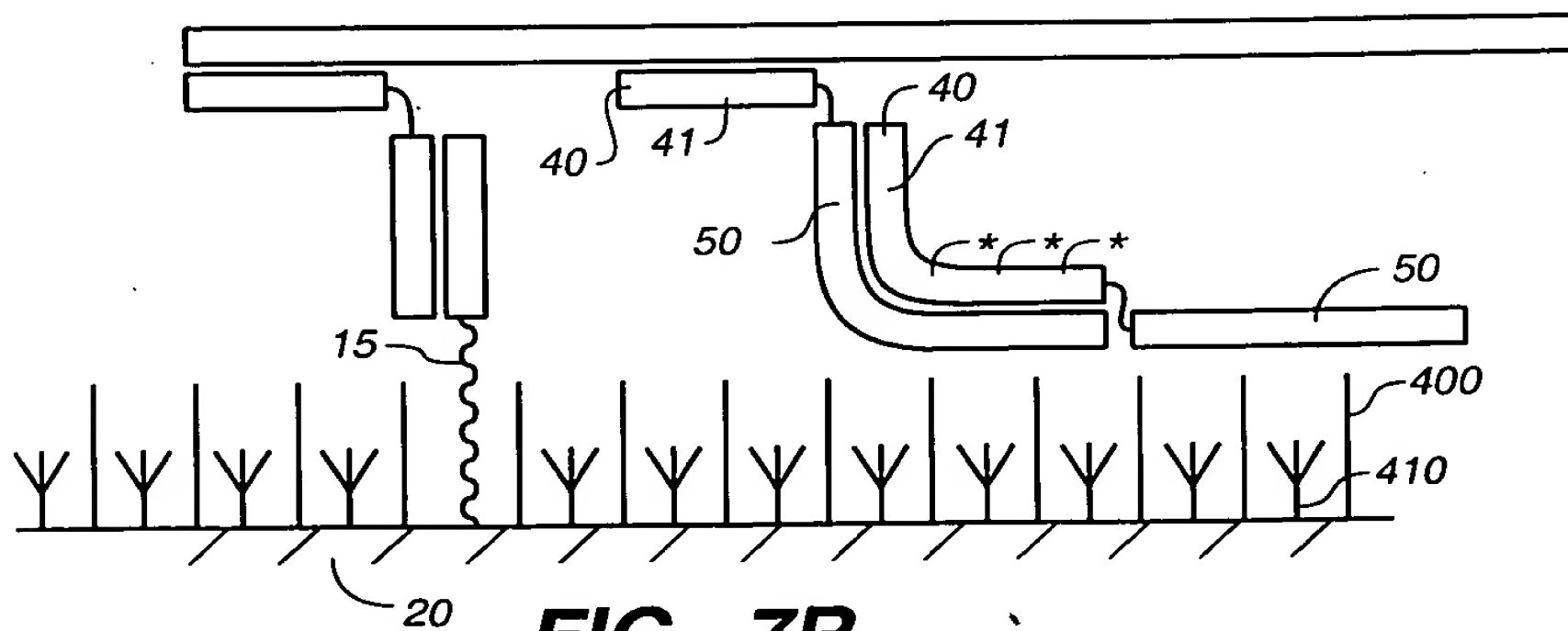




**FIG. 7P**

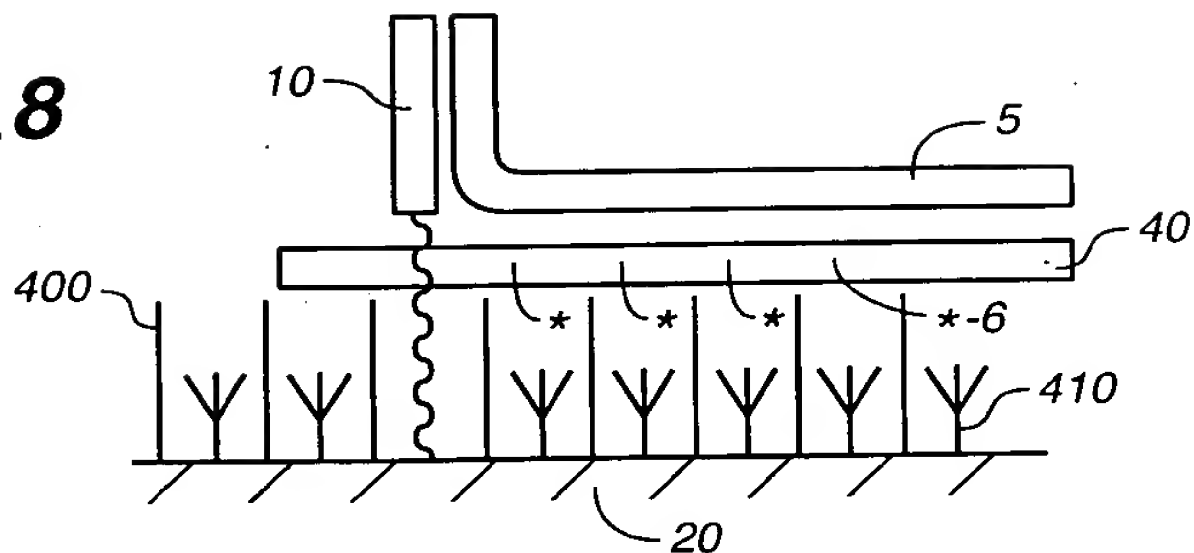


**FIG. 7Q**

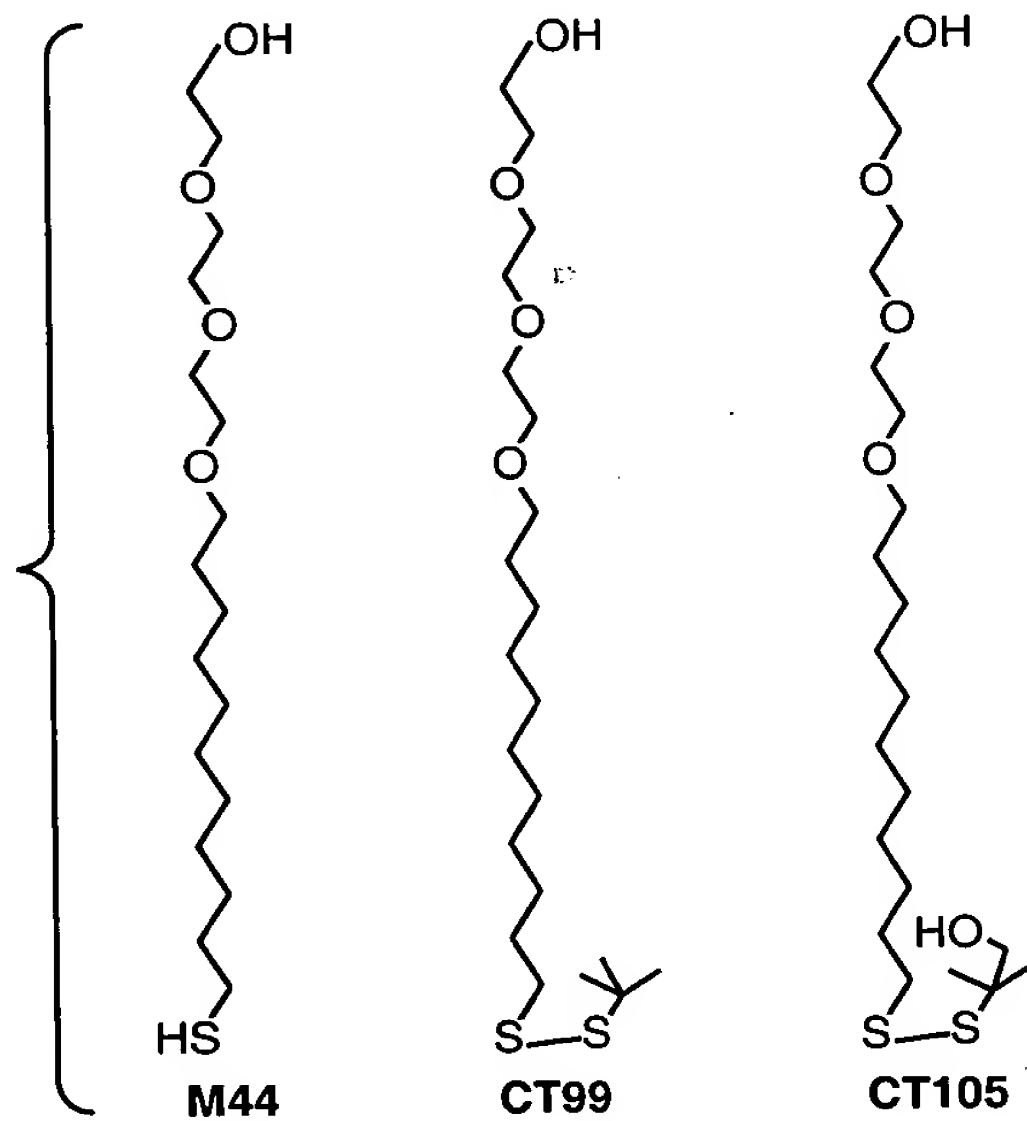


**FIG. 7R**

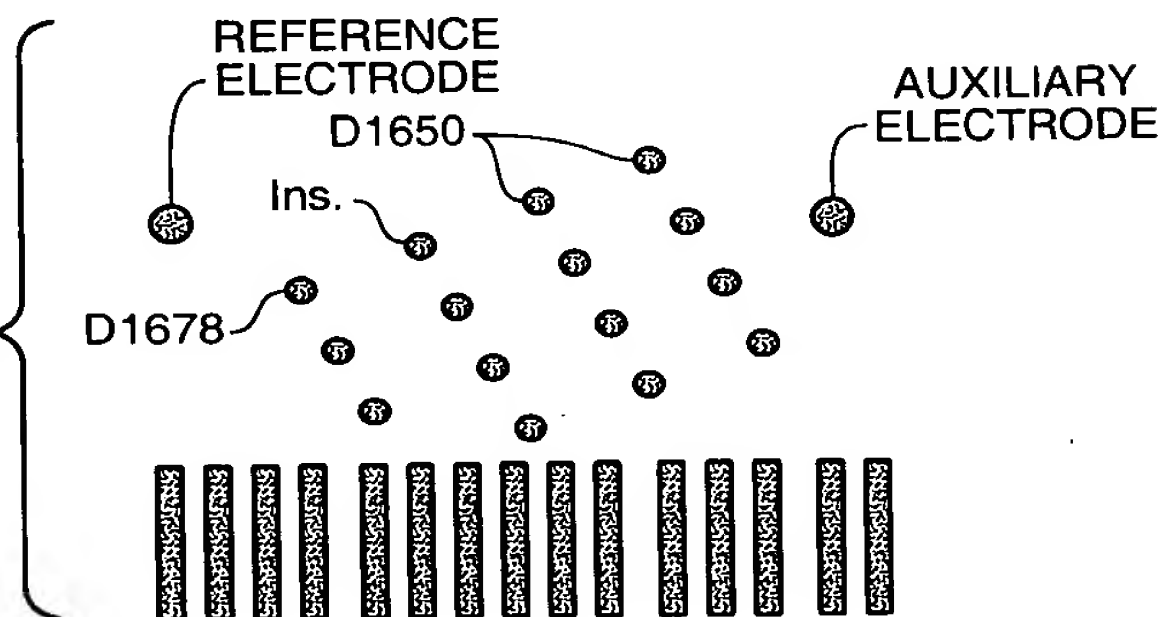
**FIG.\_8**



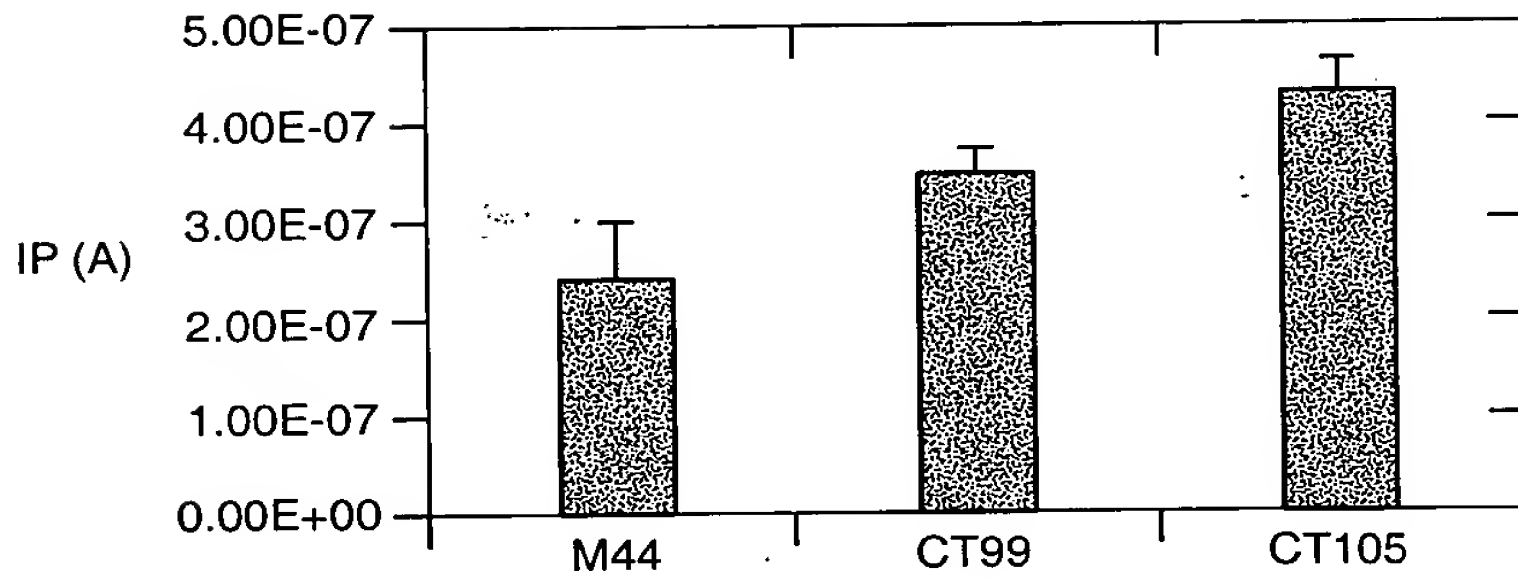
**FIG.\_9**



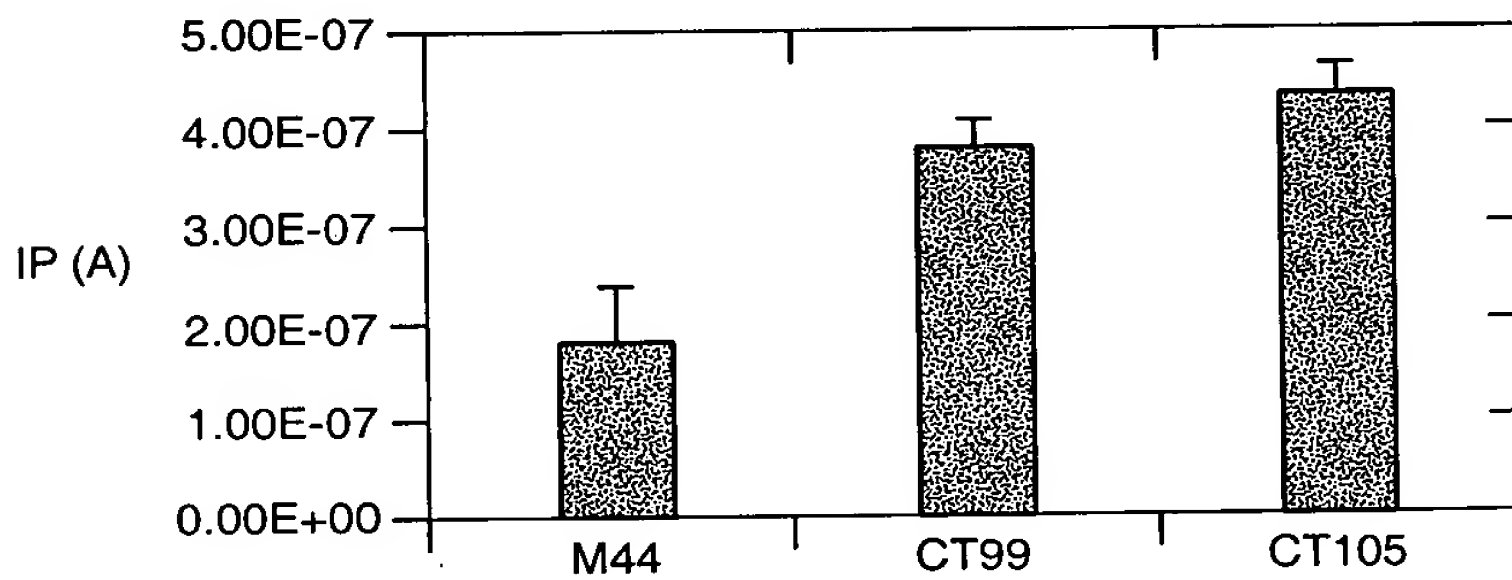
**FIG.\_10**



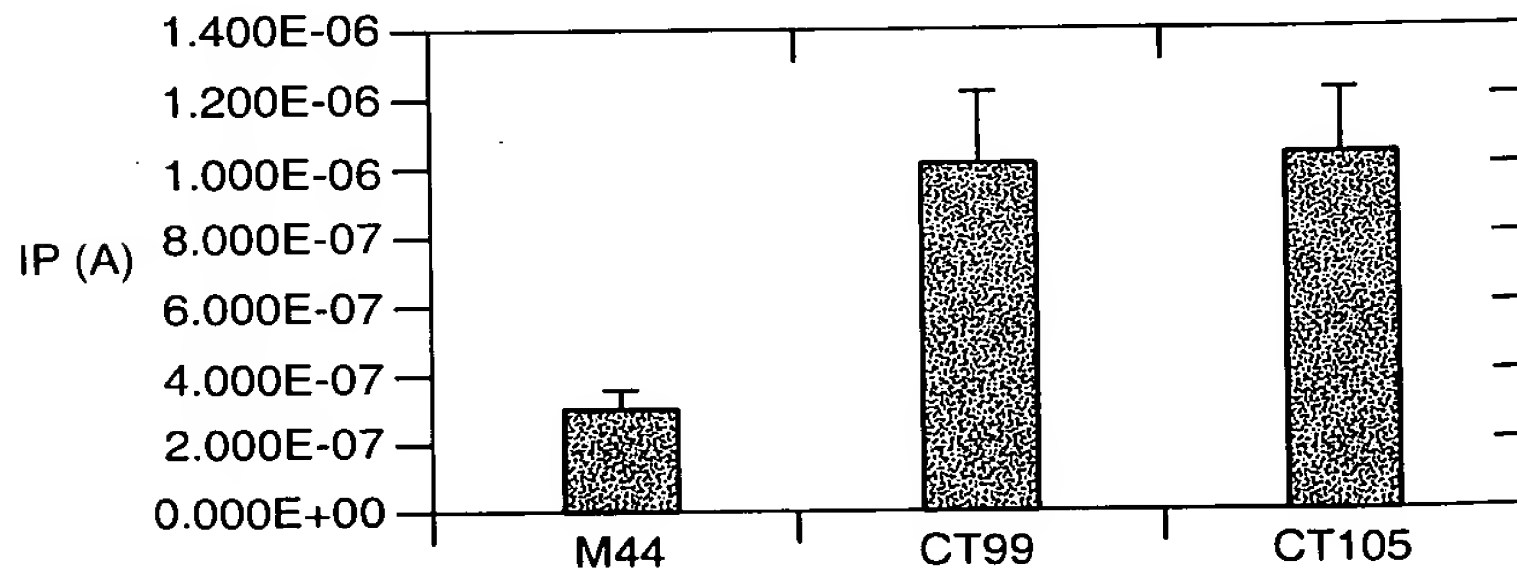
IP OF D1085 ON DIFFERENT INSULATOR

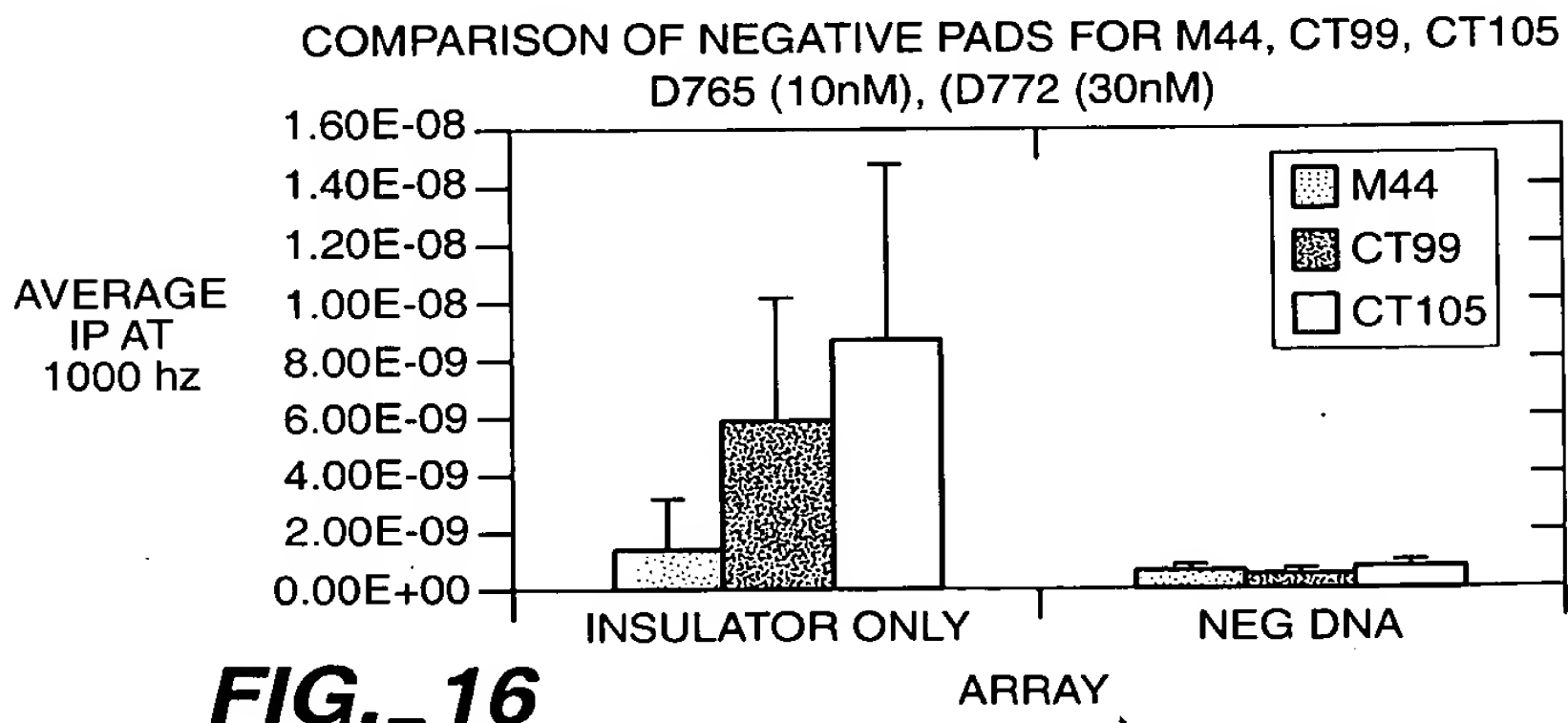
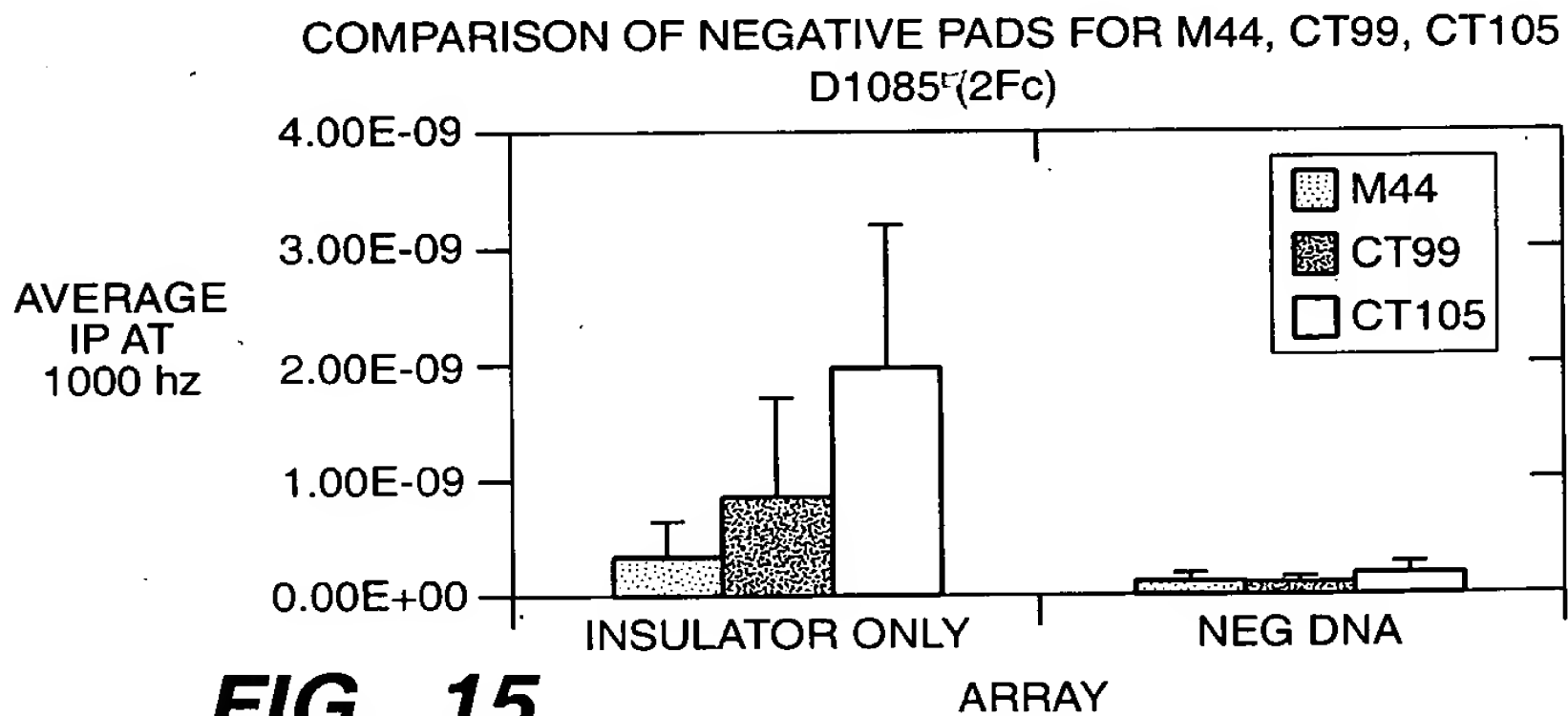
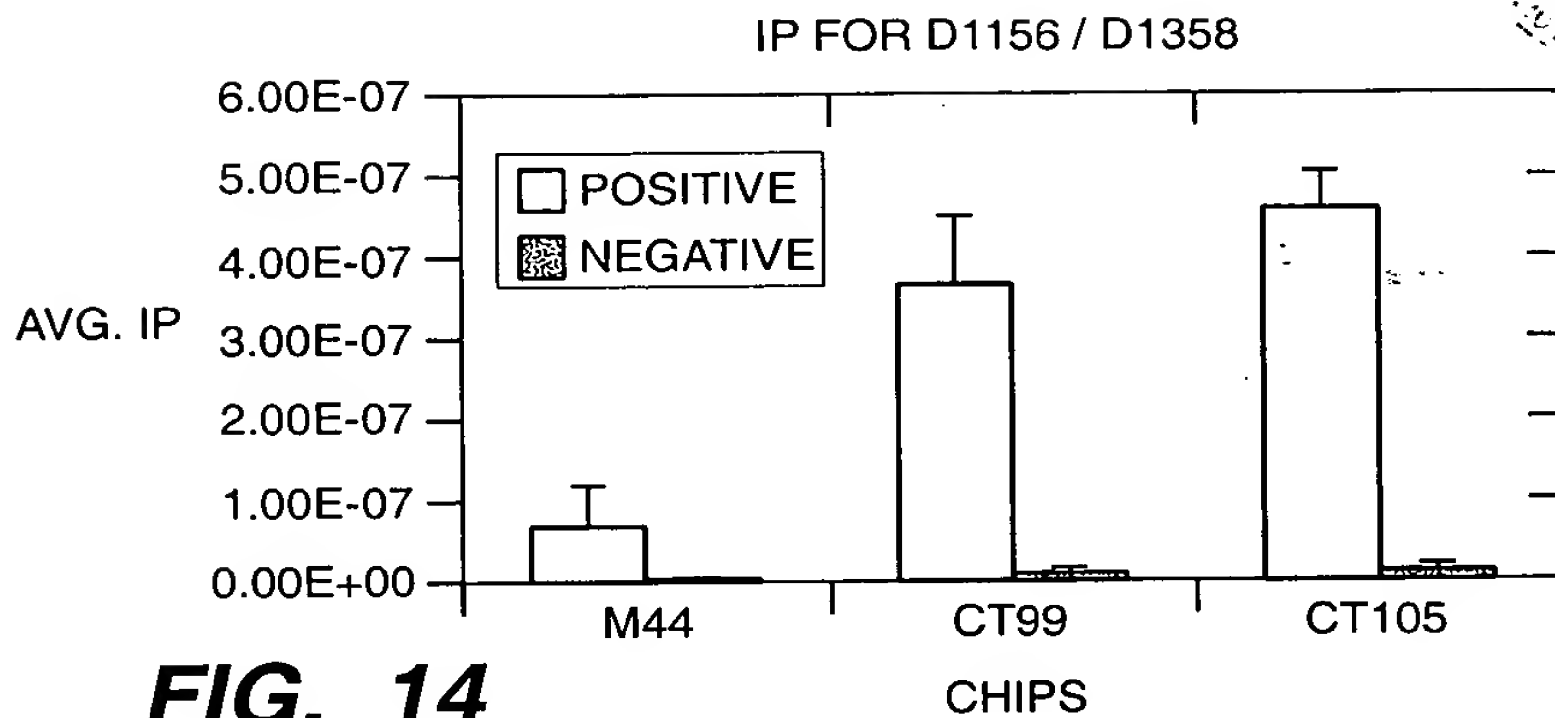
**FIG.\_11**

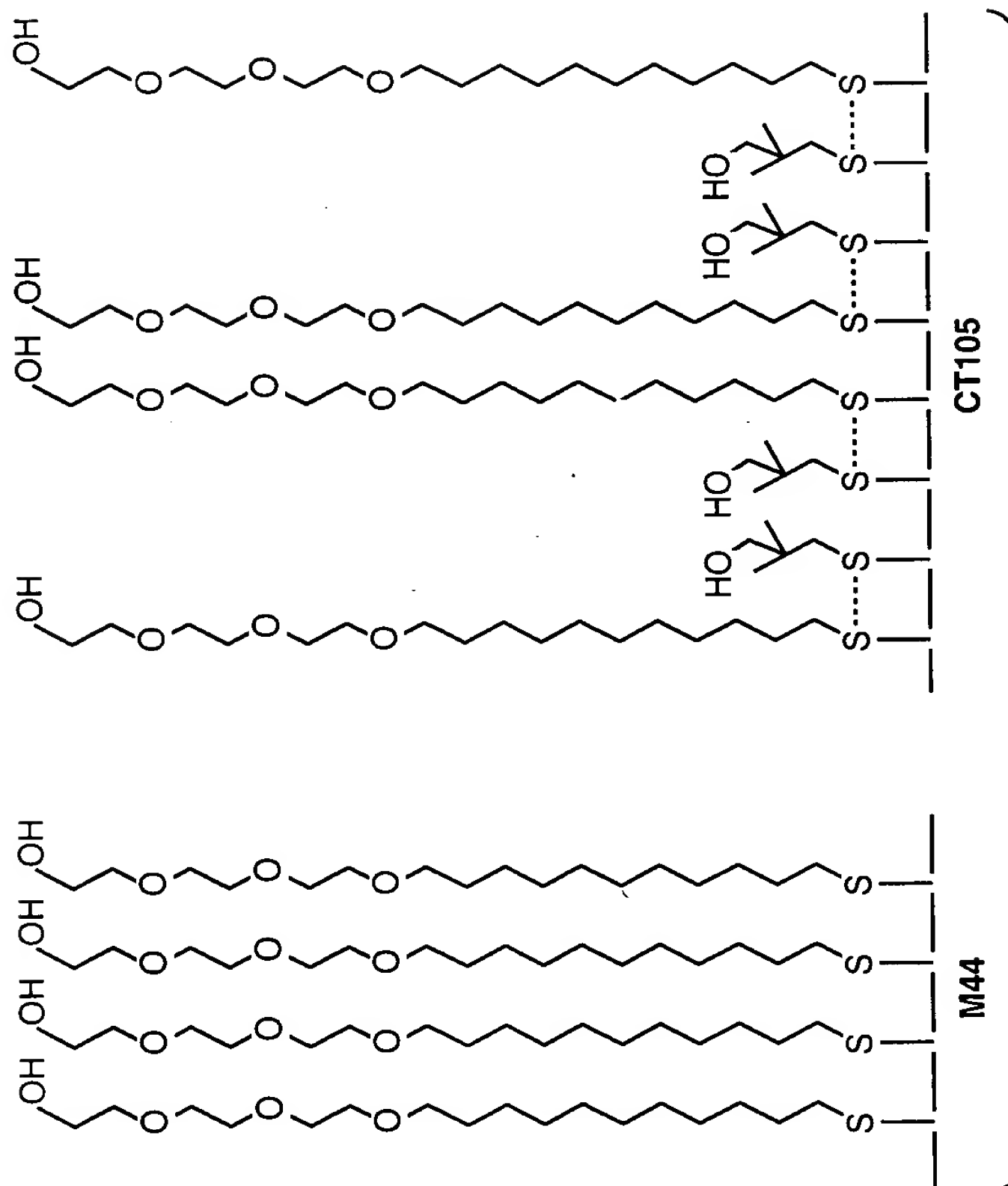
IP OF D765 / D772 ON DIFFERENT INSULATOR

**FIG.\_12**

IP OF D998 / D1055

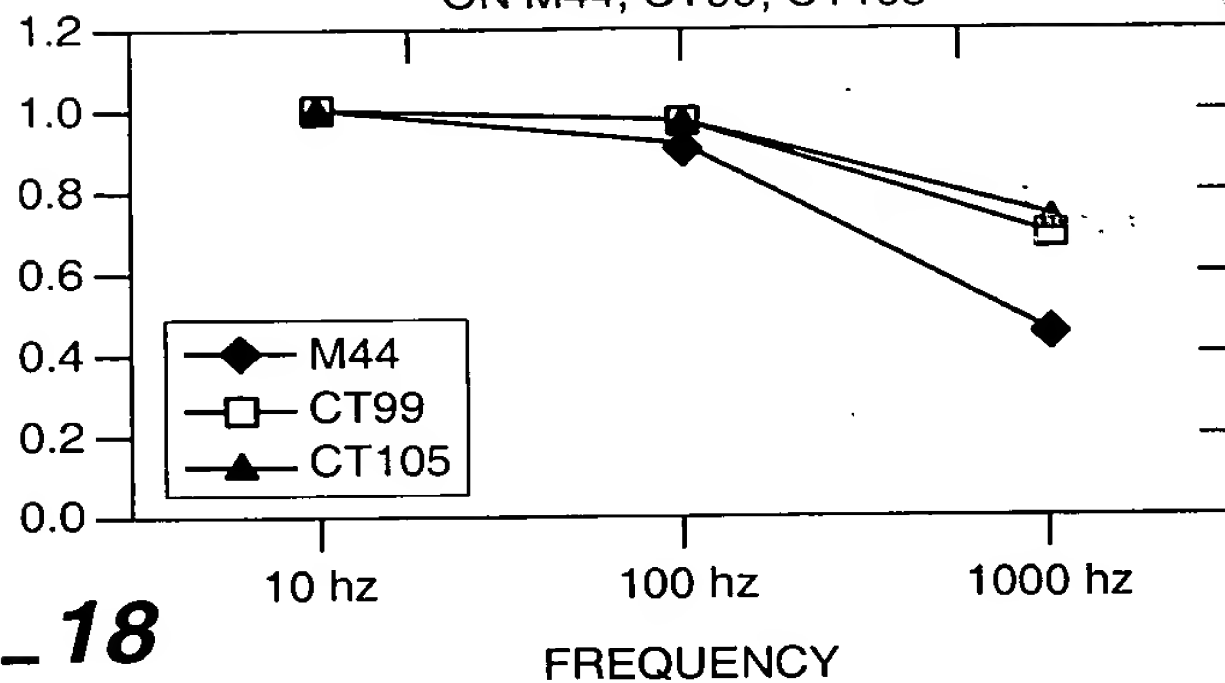
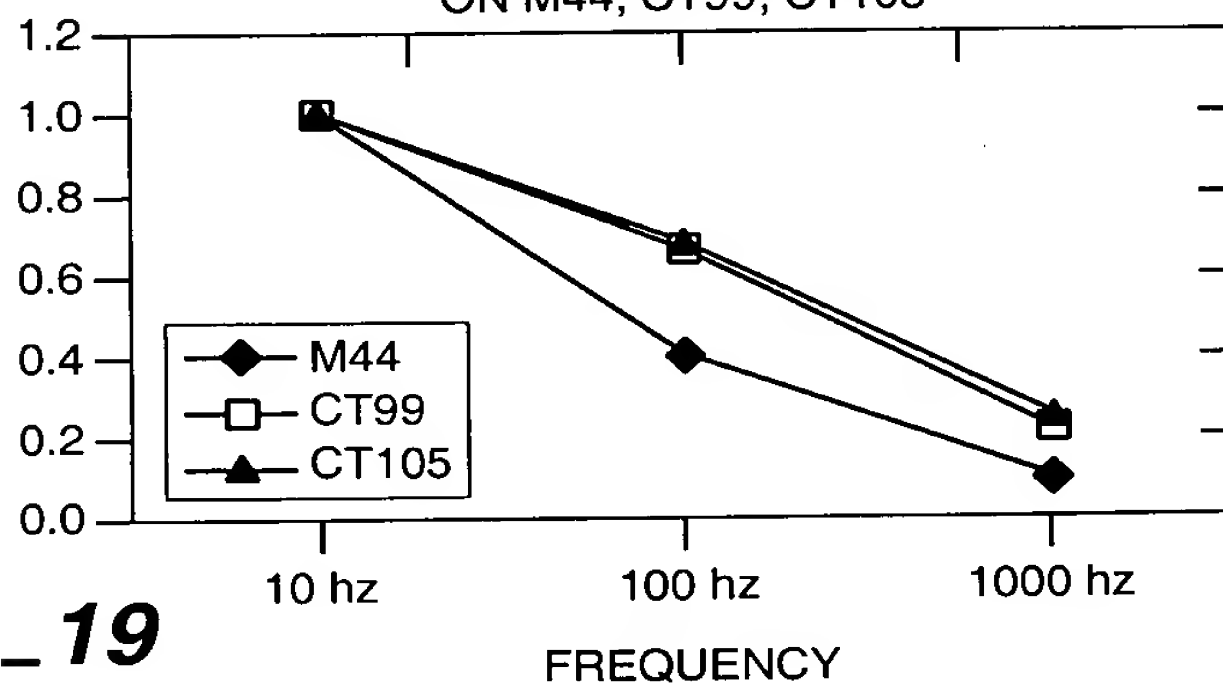
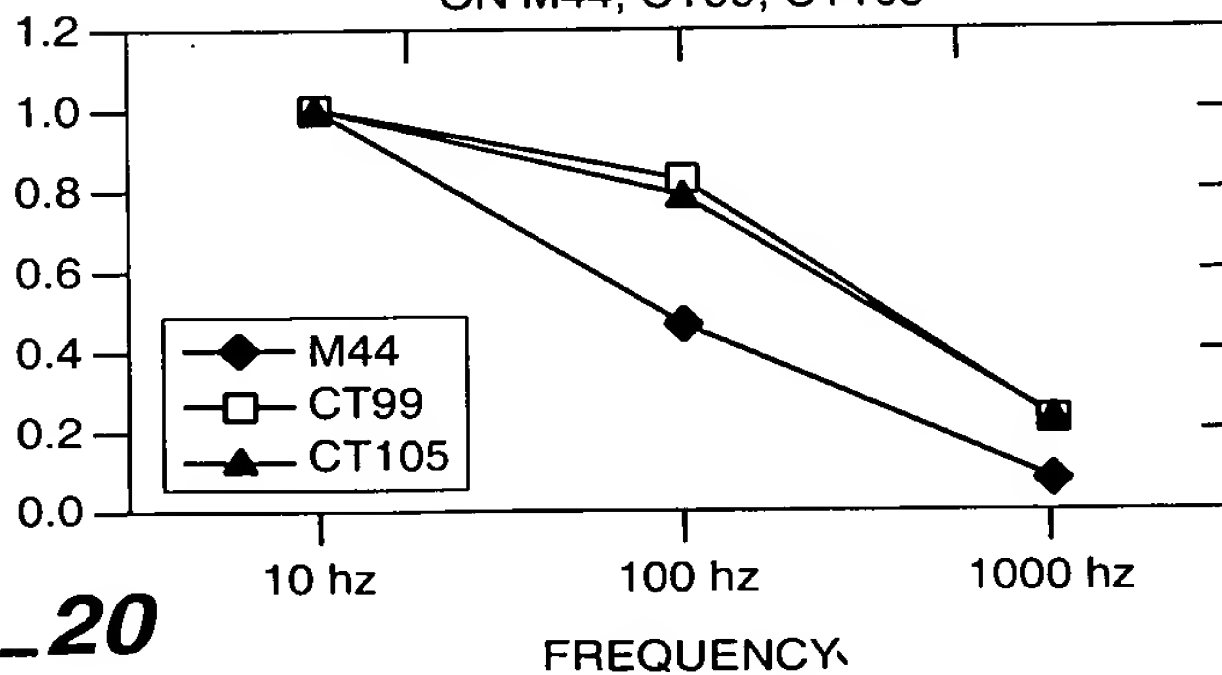
**FIG.\_13**



**FIG. 17**



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FREQUENCY RESPONSE OF D1085 (100 nM)  
ON M44, CT99, CT105**FIG.\_18**FREQUENCY RESPONSE OF D765 / D772 (8Fc)  
ON M44, CT99, CT105**FIG.\_19**FREQUENCY RESPONSE OF D998 / D1055 (20Fc)  
ON M44, CT99, CT105**FIG.\_20**